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OM protein - protein search, using sw model

Run on: February 7, 2006, 12:45:47 ; Search time 20.4894 Seconds
(without alignments)
36.315 Million cell updates/sec

Title: US-10-006-177A-1
Perfect score: 43
Sequence: 1 KIMDQVQQA 9

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
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6: /cgn2_6/ptodata/1/iaa/backfiles.pdp:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	43	100.0	2842	1 US-07-741-940-7	Sequence 7, Appli
2	43	100.0	2842	1 US-08-289-548A-7	Sequence 7, Appli
3	43	100.0	2842	1 US-08-452-654-7	Sequence 7, Appli
4	43	100.0	2842	1 US-08-449-731-7	Sequence 7, Appli
5	43	100.0	2843	1 US-07-741-940-2	Sequence 2, Appli
6	43	100.0	2843	1 US-08-289-548A-2	Sequence 2, Appli
7	43	100.0	2843	1 US-08-452-654-2	Sequence 2, Appli
8	43	100.0	2843	1 US-08-452-655B-2	Sequence 2, Appli
9	43	100.0	2843	1 US-08-452-655B-7	Sequence 7, Appli
10	43	100.0	2843	1 US-08-370-235A-2	Sequence 2, Appli
11	43	100.0	2843	2 US-08-450-582-2	Sequence 2, Appli
12	43	100.0	2843	2 US-08-450-582-7	Sequence 7, Appli
13	43	100.0	2843	2 US-08-449-731-2	Sequence 2, Appli
14	43	100.0	2843	2 US-10-092-138A-30	Sequence 30, Appli
15	43	100.0	2843	2 US-09-538-092-1007	Sequence 1007, Ap
16	43	100.0	2843	2 US-08-681-219A-30	Sequence 30, Appli
17	43	100.0	2843	1 US-08-821-355A-7	Sequence 7, Appli
18	43	100.0	2873	1 US-09-003-687A-7	Sequence 7, Appli
19	43	100.0	2873	2 US-09-136-605-7	Sequence 7, Appli
20	34	79.1	649	2 US-09-902-540-13928	Sequence 13928, A
21	34	79.1	672	2 US-09-040-843-4	Sequence 4, Appli
22	34	79.1	672	2 US-09-621-855-4	Sequence 4, Appli
23	34	79.1	866	2 US-09-040-843-2	Sequence 2, Appli
24	34	79.1	866	2 US-09-621-855-2	Sequence 2, Appli
25	32	74.4	516	2 US-09-248-796A-17736	Sequence 17736, A
26	31	72.1	275	2 US-09-543-681A-4425	Sequence 4425, Ap
27	31	72.1	434	1 US-08-989-925-1	Sequence 1, Appli

28	31	72.1	434	2	US-09-489-039A-7886	Sequence 7886, Ap
29	31	72.1	452	2	US-09-010-147B-22	Sequence 22, Appli
30	31	72.1	491	1	US-08-942-819-2	Sequence 2, Appli
31	31	72.1	491	2	US-09-522-955A-2	Sequence 2, Appli
32	31	72.1	498	2	US-09-198-452A-143	Sequence 143, Appli
33	31	72.1	498	2	US-09-438-185A-126	Sequence 126, Appli
34	31	72.1	686	1	US-08-849-480A-4	Sequence 4, Appli
35	30	69.8	263	2	US-09-710-279-1418	Sequence 1418, Ap
36	30	69.8	274	2	US-09-134-001C-4406	Sequence 4406, Ap
37	30	69.8	563	2	US-09-252-991A-29210	Sequence 29210, A
38	30	69.8	611	2	US-09-949-016-9430	Sequence 9430, A
39	30	69.8	683	2	US-09-252-991A-32144	Sequence 32144, A
40	30	69.8	751	2	US-09-902-540-10068	Sequence 10068, A
41	30	69.8	1066	2	US-09-541-782-8	Sequence 8, Appli
42	30	69.8	1066	2	US-09-723-820-8	Sequence 8, Appli
43	30	69.8	1066	2	US-10-270-085-8	Sequence 196, Appli
44	29	67.4	125	2	US-09-732-210-196	Sequence 71, Appli
45	29	67.4	132	1	US-08-649-991-71	

ALIGNMENTS

RESULT 1
US-07-741-940-7
; Sequence 7, Application US/07741940
; Patent No. 5352775
; GENERAL INFORMATION:
; APPLICANT: ALBERTSEN, HANS
; APPLICANT: ANAND, RAKESH
; APPLICANT: CARLSON, MARY
; APPLICANT: GRODEN, JOANNA
; APPLICANT: HEDGE, PHILIP J.
; APPLICANT: JOSLYN, GEOFF
; APPLICANT: KINZLER, KENNETH
; APPLICANT: MARKHAM, ALEXANDER F.
; APPLICANT: NAKAMURA, YUSUKE
; APPLICANT: THLIVERIS, ANDREW
; TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
; TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
; NUMBER OF SEQUENCES: 94
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner, Birch, McKie & Beckett
; STREET: 1001 G Street, NW
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001-4598
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07741,940
; FILING DATE: 19920109
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Kagan, Sarah A.
; REGISTRATION NUMBER: 32,141
; REFERENCE/DOCKET NUMBER: 1107.035574
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2842 amino acids
; TYPE: AMINO ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens

IMMEDIATE SOURCE:
CLONE: APC
US-07-741-940-7

Query Match 100.0%; Score 43; DB 1; Length 2842;
Best Local Similarity 100.0%; Pred. No. 5.7;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KIMQVQQA 9
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DB 1744 KIMQVQQA 1752

RESULT 2

US-08-289-548A-7
; Sequence 7, Application US/08289548A
; Patent No. 5648212
; GENERAL INFORMATION:
; APPLICANT: ALBERTSEN, HANS
; APPLICANT: ANAND, RAKESH
; APPLICANT: CARLSON, MARY
; APPLICANT: GRODEN, JOANNA
; APPLICANT: HEDGE, PHILIP J.
; APPLICANT: JOSLYN, GEOFF
; APPLICANT: KINZLER, KENNETH
; APPLICANT: MARKHAM, ALEXANDER F.
; APPLICANT: NAKAMURA, YUSUKE
; APPLICANT: THLIVERIS, ANDREW
; TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
; TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
; NUMBER OF SEQUENCES: 102
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Allegretti, LTD
; STREET: 1001 G Street, NW
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001-4598
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/289,548A
; FILING DATE: 12-AUG-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Kagan, Sarah A.
; REGISTRATION NUMBER: 32,141
; REFERENCE/DOCKET NUMBER: 1107.46943
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2842 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; IMMEDIATE SOURCE:
; CLONE: APC
US-08-289-548A-7

Query Match 100.0%; Score 43; DB 1; Length 2842;
Best Local Similarity 100.0%; Pred. No. 5.7;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KIMQVQQA 9
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DB 1744 KIMQVQQA 1752

RESULT 3

US-08-452-654-7
; Sequence 7, Application US/08452654
; Patent No. 5691454
; GENERAL INFORMATION:
; APPLICANT: ALBERTSEN, HANS
; APPLICANT: ANAND, RAKESH
; APPLICANT: CARLSON, MARY
; APPLICANT: GRODEN, JOANNA
; APPLICANT: HEDGE, PHILIP J.
; APPLICANT: JOSLYN, GEOFF
; APPLICANT: KINZLER, KENNETH
; APPLICANT: MARKHAM, ALEXANDER F.
; APPLICANT: NAKAMURA, YUSUKE
; APPLICANT: THLIVERIS, ANDREW
; TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
; TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
; NUMBER OF SEQUENCES: 94
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner, Birch, McKie & Beckett
; STREET: 1001 G Street, NW
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001-4598
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/452,654
; FILING DATE: 25-MAY-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/741,940
; FILING DATE: 08-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Kagan, Sarah A.
; REGISTRATION NUMBER: 32,141
; REFERENCE/DOCKET NUMBER: 1107.035574
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2842 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; IMMEDIATE SOURCE:
; CLONE: APC
US-08-452-654-7

Query Match 100.0%; Score 43; DB 1; Length 2842;
Best Local Similarity 100.0%; Pred. No. 5.7;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KIMQVQQA 9
|||||
DB 1744 KIMQVQQA 1752

RESULT 4

US-08-449-731-7
; Sequence 7, Application US/08449731
; Patent No. 6413727

GENERAL INFORMATION:
APPLICANT: ALBERTSEN, HANS
ANAND, RAKESH
CARLSON, MARY
GRODEN, JOANNA
HEDGE, PHILIP J.
JOSLYN, GEOFF
KINZLER, KENNETH
MARKHAM, ALEXANDER F.
NAKAMURA, YUSUKE
THLIVERIS, ANDREW

TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
GENE IN COLORECTAL CANCER IN HUMANS

NUMBER OF SEQUENCES: 102
CORRESPONDENCE ADDRESS:
ADDRESSEE: Banner & Allegretti, LTD
STREET: 1001 G Street, NW
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20001-4598

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/449,731
FILING DATE: 25-May-1995
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/289,548
FILING DATE: 12-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Kagan, Sarah A.
REGISTRATION NUMBER: 32,141
REFERENCE/DOCKET NUMBER: 1107.46943
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-508-9100
TELEFAX: 202-508-9299

INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 2842 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
CLONE: APC
SEQUENCE DESCRIPTION: SEQ ID NO: 7:

US-08-449-731-7

Query Match 100.0%; Score 43; DB 2; Length 2842;
Best Local Similarity 100.0%; Pred. No. 5.7;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KIMDQVQQA 9
Db 1744 KIMDQVQQA 1752

RESULT 5
US-07-741-940-2
Sequence 2, Application US/07741940
Patent No. 5352775
GENERAL INFORMATION:
APPLICANT: ALBERTSEN, HANS
APPLICANT: ANAND, RAKESH
APPLICANT: CARLSON, MARY
APPLICANT: GRODEN, JOANNA
APPLICANT: HEDGE, PHILIP J.

APPLICANT: JOSLYN, GEOFF
APPLICANT: KINZLER, KENNETH
APPLICANT: MARKHAM, ALEXANDER F.
APPLICANT: NAKAMURA, YUSUKE
APPLICANT: THLIVERIS, ANDREW
TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
GENE IN COLORECTAL CANCER IN HUMANS
NUMBER OF SEQUENCES: 94
CORRESPONDENCE ADDRESS:
ADDRESSEE: Banner, Birch, McKie & Beckett
STREET: 1001 G Street, NW
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20001-4598

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/741,940
FILING DATE: 19920109
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Kagan, Sarah A.
REGISTRATION NUMBER: 32,141
REFERENCE/DOCKET NUMBER: 1107.035574
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-508-9100
TELEFAX: 202-508-9299

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2843 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
US-07-741-940-2

Query Match 100.0%; Score 43; DB 1; Length 2843;
Best Local Similarity 100.0%; Pred. No. 5.7;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KIMDQVQQA 9
Db 1745 KIMDQVQQA 1753

RESULT 6
US-08-289-548A-2
Sequence 2, Application US/08289548A
Patent No. 5648212
GENERAL INFORMATION:
APPLICANT: ALBERTSEN, HANS
APPLICANT: ANAND, RAKESH
APPLICANT: CARLSON, MARY
APPLICANT: GRODEN, JOANNA
APPLICANT: HEDGE, PHILIP J.
APPLICANT: JOSLYN, GEOFF
APPLICANT: KINZLER, KENNETH
APPLICANT: MARKHAM, ALEXANDER F.
APPLICANT: NAKAMURA, YUSUKE
APPLICANT: THLIVERIS, ANDREW

TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
GENE IN COLORECTAL CANCER IN HUMANS
NUMBER OF SEQUENCES: 102
CORRESPONDENCE ADDRESS:
ADDRESSEE: Banner & Allegretti, LTD
STREET: 1001 G Street, NW
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20001-4598

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;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/289,548A
; FILING DATE: 12-AUG-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Kagan, Sarah A.
; REGISTRATION NUMBER: 32,141
; REFERENCE/DOCKET NUMBER: 1107.46943
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2843 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-289-548A-2

Query Match 100.0%; Score 43; DB 1; Length 2843;
Best Local Similarity 100.0%; Pred. No. 5.7; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 0;

QY 1 KIMDQVQQA 9
Db 1745 KIMDQVQQA 1753

RESULT 7
US-08-452-654-2
; Sequence 2, Application US/08452654
; Patent No. 5691454
; GENERAL INFORMATION:
; APPLICANT: ALBERTSEN, HANS
; APPLICANT: ANAND, RAKESH
; APPLICANT: CARLSON, MARY
; APPLICANT: GRODEN, JOANNA
; APPLICANT: HEDGE, PHILIP J.
; APPLICANT: JOSLYN, GEOFF
; APPLICANT: KINZLER, KENNETH
; APPLICANT: MARKHAM, ALEXANDER F.
; APPLICANT: NAKAMURA, YUSUKE
; APPLICANT: THLIVERIS, ANDREW
; TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
; TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
; NUMBER OF SEQUENCES: 94
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner, Birch, McKie & Beckett
; STREET: 1001 G Street, NW
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001-4598
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/452,654
; FILING DATE: 25-MAY-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/741,940
; FILING DATE: 08-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Kagan, Sarah A.
; REGISTRATION NUMBER: 32,141
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2843 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
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; REFERENCE/DOCKET NUMBER: 1107.035574
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2843 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-452-654-2

Query Match 100.0%; Score 43; DB 1; Length 2843;
Best Local Similarity 100.0%; Pred. No. 5.7; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 0;

QY 1 KIMDQVQQA 9
Db 1745 KIMDQVQQA 1753

RESULT 8
US-08-452-655B-2
; Sequence 2, Application US/08452655B
; Patent No. 5783666
; GENERAL INFORMATION:
; APPLICANT: ALBERTSEN, HANS
; APPLICANT: ANAND, RAKESH
; APPLICANT: CARLSON, MARY
; APPLICANT: GRODEN, JOANNA
; APPLICANT: HEDGE, PHILIP J.
; APPLICANT: JOSLYN, GEOFF
; APPLICANT: KINZLER, KENNETH
; APPLICANT: MARKHAM, ALEXANDER F.
; APPLICANT: NAKAMURA, YUSUKE
; APPLICANT: THLIVERIS, ANDREW
; TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
; TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
; NUMBER OF SEQUENCES: 102
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Witcoff, Ltd.
; STREET: 1001 G Street, NW
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001-4598
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/452,655B
; FILING DATE: 25-MAY-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/289,548
; FILING DATE: 12-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/741,940
; FILING DATE: 08-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Kagan, Sarah A.
; REGISTRATION NUMBER: 32,141
; REFERENCE/DOCKET NUMBER: 1107.49964
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2843 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
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MOLECULE TYPE: protein
US-08-452-655B-2

Query Match 100.0%; Score 43; DB 1; Length 2843;
Best Local Similarity 100.0%; Pred. No. 5.7;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KIMDQVQQA 9
Db 1745 KIMDQVQQA 1753

RESULT 9

US-08-452-655B-7
; Sequence 7, Application US/08452655B
; Patent No. 5783666
; GENERAL INFORMATION:
; APPLICANT: ALBERTSEN, HANS
; APPLICANT: ANAND, RAKESH
; APPLICANT: CARLSON, MARY
; APPLICANT: GRODEN, JOANNA
; APPLICANT: HEDGE, PHILIP J.
; APPLICANT: JOSLYN, GEOFF
; APPLICANT: KINZLER, KENNETH
; APPLICANT: MARKHAM, ALEXANDER F.
; APPLICANT: NAKAMURA, YUSUKE
; APPLICANT: THLIVERIS, ANDREW
; TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
; TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
; NUMBER OF SEQUENCES: 102
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Witcoff, Ltd.
; STREET: 1001 G Street, NW
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001-4598
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/452,655B
; FILING DATE: 25-MAY-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/289,548
; FILING DATE: 12-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/741,940
; FILING DATE: 08-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Kagan, Sarah A.
; REGISTRATION NUMBER: 32,141
; REFERENCE/DOCKET NUMBER: 1107.49964
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2843 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ANTI-SENSE: NO
US-08-452-655B-7

Query Match 100.0%; Score 43; DB 1; Length 2843;
Best Local Similarity 100.0%; Pred. No. 5.7;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KIMDQVQQA 9
Db 1745 KIMDQVQQA 1753

RESULT 10

US-08-370-235A-2
; Sequence 2, Application US/08370235A
; Patent No. 5910418
; GENERAL INFORMATION:
; APPLICANT: VOGELSTEIN, BERT
; APPLICANT: KINZLER, KENNETH W.
; APPLICANT: HILL, DAVID E.
; APPLICANT: JOHNSON, KAREN A.
; TITLE OF INVENTION: ANTIBODIES AND ASSAYS FOR DETERMINING
; TITLE OF INVENTION: MUTATIONS IN THE APC GENE
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BANNER & WITCOFF, LTD.
; STREET: 1001 G STREET, N.W.
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: US
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/370,235A
; FILING DATE: 01-JAN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: KAGAN, SARAH A.
; REGISTRATION NUMBER: 32,141
; REFERENCE/DOCKET NUMBER: 01107.48688
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202 508 9100
; TELEFAX: 202 508 9299
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2843 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-370-235A-2

Query Match 100.0%; Score 43; DB 1; Length 2843;
Best Local Similarity 100.0%; Pred. No. 5.7;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KIMDQVQQA 9
Db 1745 KIMDQVQQA 1753

RESULT 11

US-08-450-582-2
; Sequence 2, Application US/08450582
; Patent No. 6114124
; GENERAL INFORMATION:
; APPLICANT: ALBERTSEN, HANS
; APPLICANT: ANAND, RAKESH
; APPLICANT: CARLSON, MARY
; APPLICANT: GRODEN, JOANNA
; APPLICANT: HEDGE, PHILIP J.
; APPLICANT: JOSLYN, GEOFF
; APPLICANT: KINZLER, KENNETH
; APPLICANT: MARKHAM, ALEXANDER F.
; APPLICANT: NAKAMURA, YUSUKE
; APPLICANT: THLIVERIS, ANDREW

;; TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
;; TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
;; NUMBER OF SEQUENCES: 102
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Banner & Witcoff, Ltd.
;; STREET: 1001 G Street, NW
;; CITY: Washington
;; STATE: D.C.
;; COUNTRY: USA
;; ZIP: 20001-4598
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/450,582
;; FILING DATE:
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/452,655
;; FILING DATE: 25-MAY-1995
;; APPLICATION NUMBER: US 08/289,548
;; FILING DATE: 12-AUG-1994
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 07/741,940
;; FILING DATE: 08-AUG-1991
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Kagan, Sarah A.
;; REGISTRATION NUMBER: 32,141
;; REFERENCE/DOCKET NUMBER: 1107.49964
;; TELEPHONE: 202-508-9100
;; TELEFAX: 202-508-9299
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 2843 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; US-08-450-582-2

Query Match 100.0%; Score 43; DB 2; Length 2843;
Best Local Similarity 100.0%; Pred. No. 5.7;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KIMDQVQQA 9
Db 1745 KIMDQVQQA 1753

RESULT 12
US-08-450-582-7
; Sequence 7, Application US/08450582
; Patent No. 6114124
; GENERAL INFORMATION:
; APPLICANT: ALBERTSEN, HANS
; APPLICANT: ANAND, RAKESH
; APPLICANT: CARLSON, MARY
; APPLICANT: GRODEN, JOANNA
; APPLICANT: HEDGE, PHILIP J.
; APPLICANT: JOSLYN, GEOFF
; APPLICANT: KINZLER, KENNETH
; APPLICANT: MARKHAM, ALEXANDER F.
; APPLICANT: NAKAMURA, YUSUKE
; APPLICANT: THLIVERIS, ANDREW
; TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
; NUMBER OF SEQUENCES: 102
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Witcoff, Ltd.
; STREET: 1001 G Street, NW
; CITY: Washington

;; STATE: D.C.
;; COUNTRY: USA
;; ZIP: 20001-4598
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/450,582
;; FILING DATE:
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/452,655
;; FILING DATE: 25-MAY-1995
;; APPLICATION NUMBER: US 08/289,548
;; FILING DATE: 12-AUG-1994
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 07/741,940
;; FILING DATE: 08-AUG-1991
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Kagan, Sarah A.
;; REGISTRATION NUMBER: 32,141
;; REFERENCE/DOCKET NUMBER: 1107.49964
;; TELEPHONE: 202-508-9100
;; TELEFAX: 202-508-9299
;; INFORMATION FOR SEQ ID NO: 7:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 2843 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; HYPOTHETICAL: YES
;; ANTI-SENSE: NO
;; US-08-450-582-7

Query Match 100.0%; Score 43; DB 2; Length 2843;
Best Local Similarity 100.0%; Pred. No. 5.7;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KIMDQVQQA 9
Db 1745 KIMDQVQQA 1753

RESULT 13
US-08-449-731-2
; Sequence 2, Application US/08449731
; Patent No. 6413727
; GENERAL INFORMATION:
; APPLICANT: ALBERTSEN, HANS
; APPLICANT: ANAND, RAKESH
; APPLICANT: CARLSON, MARY
; APPLICANT: GRODEN, JOANNA
; APPLICANT: HEDGE, PHILIP J.
; APPLICANT: JOSLYN, GEOFF
; APPLICANT: KINZLER, KENNETH
; APPLICANT: MARKHAM, ALEXANDER F.
; APPLICANT: NAKAMURA, YUSUKE
; APPLICANT: THLIVERIS, ANDREW
; TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
; NUMBER OF SEQUENCES: 102
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Allegretti, LTD
; STREET: 1001 G Street, NW
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001-4598
; COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA: US/08/449,731
APPLICATION NUMBER: US/08/449,731
FILING DATE: 25-May-1995
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/289,548
FILING DATE: 12-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Kagan, Sarah A.
REGISTRATION NUMBER: 32,141
REFERENCE/DOCKET NUMBER: 1107.46943
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-508-9100
TELEFAX: 202-508-9299
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2843 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-08-449-731-2

Query Match 100.0%; Score 43; DB 2; Length 2843;
Best Local Similarity 100.0%; Pred. No. 5.7;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KIMDQVQQA 9
Db 1745 KIMDQVQQA 1753

RESULT 14

US-10-092-138A-30
Sequence 30, Application US/10092138A
Patent No. 6743630
GENERAL INFORMATION:
APPLICANT: Sato, Taka-Aki
TITLE OF INVENTION: METHOD OF PREPARING A PROTEIN ARRAY BASED ON
FILE OF INVENTION: BIOCHEMICAL PROTEIN-PROTEIN INTERACTION
FILE REFERENCE: 65823/jpw/pt
CURRENT APPLICATION NUMBER: US/10/092,138A
CURRENT FILING DATE: 2002-03-06
NUMBER OF SEQ ID NOS: 34
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 30
LENGTH: 2843
TYPE: PRT
ORGANISM: human
US-10-092-138A-30

Query Match 100.0%; Score 43; DB 2; Length 2843;
Best Local Similarity 100.0%; Pred. No. 5.7;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KIMDQVQQA 9
Db 1745 KIMDQVQQA 1753

RESULT 15

US-09-538-092-1007
Sequence 1007, Application US/09538092
Patent No. 6753314
GENERAL INFORMATION:
APPLICANT: Giot, Loic
APPLICANT: Mansfield, Traci A.
TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
FILE REFERENCE: 15966-542

CURRENT APPLICATION NUMBER: US/09/538,092
CURRENT FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: 60/127,352
PRIOR FILING DATE: 1999-04-01
PRIOR APPLICATION NUMBER: 60/178,965
PRIOR FILING DATE: 2000-02-01
NUMBER OF SEQ ID NOS: 1387
SOFTWARE: CuratPatSeqFormatter Version 0.9
SEQ ID NO 1007
LENGTH: 2843
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (0)...(0)
OTHER INFORMATION: Polypeptide Accession Number P25054
US-09-538-092-1007
Query Match 100.0%; Score 43; DB 2; Length 2843;
Best Local Similarity 100.0%; Pred. No. 5.7;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KIMDQVQQA 9
Db 1745 KIMDQVQQA 1753

Search completed: February 7, 2006, 12:49:35
Job time : 21.4894 secs

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GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: February 7, 2006, 13:34:34 ; Search time 64.8191 Seconds
(without alignments)
58.015 Million cell updates/sec

Title: US-10-006-177A-1
Perfect score: 43
Sequence: 1 KIMDQVQQA 9

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA Main:
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
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6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	43	100.0	9	US-10-006-177-1	Sequence 1, Appli
2	43	100.0	902	US-10-450-763-39694	Sequence 39694, A
3	43	100.0	912	US-09-987-482-2	Sequence 2, Appli
4	43	100.0	2843	US-08-681-219-32	Sequence 32, Appli
5	43	100.0	2843	US-09-987-482-1	Sequence 1, Appli
6	43	100.0	2843	US-09-230-111C-30	Sequence 30, Appli
7	43	100.0	2843	US-10-092-138-30	Sequence 30, Appli
8	43	100.0	2843	US-10-392-113-21	Sequence 21, Appli
9	43	100.0	2843	US-10-408-765A-1970	Sequence 1970, Ap
10	43	100.0	2843	US-10-820-403-30	Sequence 30, Appli
11	43	100.0	2844	US-10-267-502-370	Sequence 370, App
12	43	100.0	2845	US-10-267-502-372	Sequence 372, App
13	37	86.0	348	US-10-282-122A-64196	Sequence 64196, A
14	35	81.4	817	US-10-369-493-18772	Sequence 18772, A
15	35	81.4	821	US-10-369-493-18772	Sequence 2791, Ap
16	35	81.4	821	US-10-732-923-6941	Sequence 6941, Ap
17	35	81.4	824	US-10-732-923-7015	Sequence 7015, Ap
18	35	81.4	839	US-10-732-923-6928	Sequence 6928, Ap
19	34	79.1	177	US-09-812-350-5	Sequence 5, Appli
20	34	79.1	177	US-10-732-923-6732	Sequence 6732, Ap
21	34	79.1	344	US-10-732-923-6731	Sequence 6731, Ap
22	34	79.1	809	US-10-369-493-16530	Sequence 16530, A
23	34	79.1	810	US-09-815-242-5586	Sequence 5586, Ap
24	34	79.1	810	US-10-369-493-23050	Sequence 23050, A
25	34	79.1	810	US-10-732-923-7056	Sequence 7056, Ap
26	34	79.1	811	US-10-282-122A-45773	Sequence 45773, A
27	34	79.1	811	US-10-732-923-7004	Sequence 7004, Ap

Sequence 7067, Ap
Sequence 17101, A
Sequence 7201, Ap
Sequence 12424, A
Sequence 12789, A
Sequence 44278, A
Sequence 6988, Ap
Sequence 60729, A
Sequence 6979, Ap
Sequence 6982, Ap
Sequence 6975, Ap
Sequence 114387,
Sequence 661, App
Sequence 5, Appli
Sequence 7010, Ap
Sequence 7540, Ap
Sequence 145806,

ALIGNMENTS

RESULT 1

US-10-006-177-1
; Sequence 1, Application US/10006177
; Publication No. US20030165513A1
; GENERAL INFORMATION:
; APPLICANT: Ramakrishna, Venky
; APPLICANT: Ross, Mark
; APPLICANT: Philip, Ramila
; TITLE OF INVENTION: Cytotoxic T-Lymphocyte-Inducing Immunogens for Prevention, Treat
; TITLE OF INVENTION: Diagnosis of Cancer
; FILE REFERENCE: 26747-35
; CURRENT APPLICATION NUMBER: US/10/006,177
; CURRENT FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: US/60/251,022
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: US/60/256,824
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Epitopic Peptide
US-10-006-177-1

Query Match 100.0%; Score 43; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.7e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KIMDQVQQA 9
| | | | |
Db 1 KIMDQVQQA 9

RESULT 2

US-10-450-763-39694
; Sequence 39694, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31

; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 39694
; LENGTH: 902
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (73)..(107)
; OTHER INFORMATION: Armadillo/beta-catenin-like repeat proteins domain identified
; OTHER INFORMATION: by eMATRIX, accession number PF00514C, p-value=5.250e-17, raw
; OTHER INFORMATION: score of 24.37
US-10-450-763-39694

Query Match 100.0%; Score 43; DB 5; Length 902;
Best Local Similarity 100.0%; Pred. No. 8.5;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KIMDQVQQA 9
|||
Db 277 KIMDQVQQA 285

RESULT 3

US-09-987-482-2
; Sequence 2, Application US/09987482
; Publication No. US20020184656A1
; GENERAL INFORMATION:
; APPLICANT: BHANDARI, POONAM

; APPLICANT: SHASHIDHARA, L.S.
; TITLE OF INVENTION: IN VIVO ASSAY SYSTEM FOR SCREENING AND VALIDATION OF
; TITLE OF INVENTION: DRUGS AND OTHER SUBSTANCES
; FILE REFERENCE: 056859-0134
; CURRENT APPLICATION NUMBER: US/09/987,482
; CURRENT FILING DATE: 2002-03-21
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 912
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-987-482-2

Query Match 100.0%; Score 43; DB 3; Length 912;
Best Local Similarity 100.0%; Pred. No. 8.6;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KIMDQVQQA 9
|||
Db 787 KIMDQVQQA 795

RESULT 4

US-08-681-219-32
; Sequence 32, Application US/08681219
; Publication No. US20020058607A1
; GENERAL INFORMATION:
; APPLICANT: Takaaki Sato and Junn Yanagisawa

; TITLE OF INVENTION: COMPOUNDS THAT INHIBIT THE INTERACTION BETWEEN
; TITLE OF INVENTION: SIGNAL-TRANSDUCING PROTEINS AND THE GLGF
; NUMBER OF INVENTIONS: 35
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/681,219
; FILING DATE: 22-JUL-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 0575/48962/JPW/JKM
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400
; TELEFAX: (212) 391-0525

; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2843 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-681-219-32

Query Match 100.0%; Score 43; DB 2; Length 2843;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KIMDQVQQA 9
|||
Db 1745 KIMDQVQQA 1753

RESULT 5

US-09-987-482-1
; Sequence 1, Application US/09987482
; Publication No. US20020184656A1
; GENERAL INFORMATION:
; APPLICANT: BHANDARI, POONAM

; APPLICANT: SHASHIDHARA, L.S.
; TITLE OF INVENTION: IN VIVO ASSAY SYSTEM FOR SCREENING AND VALIDATION OF
; TITLE OF INVENTION: DRUGS AND OTHER SUBSTANCES
; FILE REFERENCE: 056859-0134
; CURRENT APPLICATION NUMBER: US/09/987,482
; CURRENT FILING DATE: 2002-03-21
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 2843
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-987-482-1

Query Match 100.0%; Score 43; DB 3; Length 2843;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KIMDQVQQA 9
|||
Db 1745 KIMDQVQQA 1753

RESULT 6

US-09-230-111C-30
; Sequence 30, Application US/09230111C
; Publication No. US20030203414A1
; GENERAL INFORMATION:
; APPLICANT: Sato, Taka-Aki

; APPLICANT: Yanagisawa, Junn
; TITLE OF INVENTION: COMPOUNDS THAT INHIBIT INTERACTION BETWEEN
; TITLE OF INVENTION: SIGNAL-TRANSDUCING PROTEINS AND THE GLGF (PDZ/DHR)
; TITLE OF INVENTION: DOMAIN AND USES THEREOF
; FILE REFERENCE: 48962-A-PCT-US
; CURRENT APPLICATION NUMBER: US/09/230,111C

; CURRENT FILING DATE: 1999-05-17
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 30
; LENGTH: 2843
; TYPE: PRT
; ORGANISM: human
US-09-230-111C-30

Query Match 100.0%; Score 43; DB 3; Length 2843;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KIMDQVQQA 9
Db 1745 KIMDQVQQA 1753

RESULT 7
US-10-092-138-30
; Sequence 30, Application US/10092138
; Publication No. US20030170723A1
; GENERAL INFORMATION:
; APPLICANT: Sato, Taka-Aki
; TITLE OF INVENTION: METHOD OF PREPARING A PROTEIN ARRAY BASED ON
; FILE OF INVENTION: BIOCHEMICAL PROTEIN-PROTEIN INTERACTION
; FILE REFERENCE: 65823/JPW/PT
; CURRENT APPLICATION NUMBER: US/10/092,138
; CURRENT FILING DATE: 2002-09-06
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 30
; LENGTH: 2843
; TYPE: PRT
; ORGANISM: human
US-10-092-138-30

Query Match 100.0%; Score 43; DB 4; Length 2843;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KIMDQVQQA 9
Db 1745 KIMDQVQQA 1753

RESULT 8
US-10-392-113-21
; Sequence 21, Application US/10392113
; Publication No. US20030224993A1
; GENERAL INFORMATION:
; APPLICANT: Land, Hartmut
; APPLICANT: Deleu, Laurent
; TITLE OF INVENTION: COMPOSITIONS THAT INHIBIT PROLIFERATION
; FILE OF INVENTION: OF CANCER CELLS
; FILE REFERENCE: 21108.0005U3
; CURRENT APPLICATION NUMBER: US/10/392,113
; CURRENT FILING DATE: 2003-03-17
; PRIOR APPLICATION NUMBER: 60/365,078
; PRIOR FILING DATE: 2002-03-15
; PRIOR APPLICATION NUMBER: PCT/US01/32127
; PRIOR FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 60/239,705
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21
; LENGTH: 2843
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:/Note =
; OTHER INFORMATION: Synthetic Construct

US-10-392-113-21

Query Match 100.0%; Score 43; DB 4; Length 2843;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KIMDQVQQA 9
Db 1745 KIMDQVQQA 1753

RESULT 9
US-10-408-765A-1970
; Sequence 1970, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Pahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; FILE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1970
; LENGTH: 2843
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-1970

Query Match 100.0%; Score 43; DB 4; Length 2843;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KIMDQVQQA 9
Db 1745 KIMDQVQQA 1753

RESULT 10
US-10-820-403-30
; Sequence 30, Application US/10820403
; Publication No. US20040229287A1
; GENERAL INFORMATION:
; APPLICANT: Sato, Taka-Aki
; TITLE OF INVENTION: METHOD OF PREPARING A PROTEIN ARRAY BASED ON
; FILE OF INVENTION: BIOCHEMICAL PROTEIN-PROTEIN INTERACTION
; FILE REFERENCE: 65823/JPW/PT
; CURRENT APPLICATION NUMBER: US/10/820,403
; CURRENT FILING DATE: 2004-04-08
; PRIOR APPLICATION NUMBER: US/10/092,138
; PRIOR FILING DATE: 2002-03-06
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 30
; LENGTH: 2843
; TYPE: PRT
; ORGANISM: human
US-10-820-403-30

Query Match 100.0%; Score 43; DB 5; Length 2843;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KIMDQVQQA 9
Db 1745 KIMDQVQQA 1753

```
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 64196
; LENGTH: 348
; TYPE: PRT
; ORGANISM: Mycoplasma pneumoniae
US-10-282-122A-64196

Query Match      86.0%; Score 37; DB 4; Length 348;
Best Local Similarity 77.8%; Pred. No. 46;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 KIMDQVQQA 9
      |:|||||
Db      16 KLVDQVQQA 24

RESULT 14
US-10-369-493-18772
; Sequence 18772, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 18772
; LENGTH: 817
; TYPE: PRT
; ORGANISM: Anabaena PCC7120
US-10-369-493-18772

Query Match      81.4%; Score 35; DB 4; Length 817;
Best Local Similarity 66.7%; Pred. No. 2.9e+02;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy      1 KIMDQVQQA 9
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US-10-267-502-370
; Sequence 370, Application US/10267502
; Publication No. US20040071700A1
; GENERAL INFORMATION:
; APPLICANT: Kim, Jaeseob
; APPLICANT: Galant, Ron
; TITLE OF INVENTION: Obesity Linked Genes
; FILE REFERENCE: LSD-07416
; CURRENT APPLICATION NUMBER: US/10/267,502
; CURRENT FILING DATE: 2003-01-27
; NUMBER OF SEQ ID NOS: 439
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 370
; LENGTH: 2844
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-267-502-370

Query Match      100.0%; Score 43; DB 4; Length 2844;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 KIMDQVQQA 9
      |:|||||
Db      1746 KIMDQVQQA 1754

RESULT 12
US-10-267-502-372
; Sequence 372, Application US/10267502
; Publication No. US20040071700A1
; GENERAL INFORMATION:
; APPLICANT: Kim, Jaeseob
; APPLICANT: Galant, Ron
; TITLE OF INVENTION: Obesity Linked Genes
; FILE REFERENCE: LSD-07416
; CURRENT APPLICATION NUMBER: US/10/267,502
; CURRENT FILING DATE: 2003-01-27
; NUMBER OF SEQ ID NOS: 439
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 372
; LENGTH: 2845
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-267-502-372

Query Match      100.0%; Score 43; DB 4; Length 2845;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 KIMDQVQQA 9
      |:|||||
Db      1743 KIMDQVQQA 1751

RESULT 13
US-10-282-122A-64196
; Sequence 64196, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
```



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Db      262 KIMDEIRQA 270
||||:|
RESULT 15
US-10-369-493-2791
; Sequence 2791, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 2791
; LENGTH: 821
; TYPE: PRT
; ORGANISM: Synechocystis sp.
US-10-369-493-2791
Query Match      81.4%; Score 35; DB 4; Length 821;
Best Local Similarity 66.7%; Pred. No. 2.9e+02;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
QY      1 KIMDOVOQA 9
||||:|
Db      263 KIMDEIRQA 271
Search completed: February 7, 2006, 13:47:27
Job time : 64.9191 secs
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GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: February 7, 2006, 13:36:27 ; Search time 4.30851 Seconds
(without alignments)
24.478 Million cell updates/sec

Title: US-10-006-177A-1
Perfect score: 43
Sequence: 1 KIMDQVQQA 9

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 88029 seqs, 11718060 residues

Total number of hits satisfying chosen parameters: 88029

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_AA_New.*
1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
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3: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
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6: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
7: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
8: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	34	79.1	488	US-10-485-517-307	Sequence 307, Appl
2	30	69.8	208	US-11-114-922-84	Sequence 84, Appl
3	30	69.8	263	US-10-793-626-1418	Sequence 1418, Ap
4	29	67.4	298	US-10-467-657-1274	Sequence 1274, Ap
5	29	67.4	363	US-11-074-176-236	Sequence 236, Appl
6	29	67.4	560	US-10-763-712A-79	Sequence 79, Appl
7	29	67.4	817	US-10-793-626-50	Sequence 50, Appl
8	29	67.4	1206	US-10-793-626-1528	Sequence 1528, Ap
9	29	67.4	1206	US-10-763-712A-18	Sequence 18, Appl
10	29	67.4	1206	US-10-763-712A-99	Sequence 99, Appl
11	28.5	66.3	350	US-10-131-826A-518	Sequence 518, Appl
12	28	65.1	128	US-10-821-234-1530	Sequence 1530, Ap
13	28	65.1	137	US-11-165-067A-11	Sequence 11, Appl
14	28	65.1	245	US-10-878-556A-142	Sequence 142, Appl
15	28	65.1	489	US-10-858-730-198	Sequence 198, Appl
16	28	65.1	489	US-11-055-822-1152	Sequence 1152, Ap
17	28	65.1	539	US-10-793-626-888	Sequence 888, Appl
18	27	62.8	65	US-10-467-657-5106	Sequence 5106, Ap
19	27	62.8	142	US-11-129-143-160	Sequence 160, Appl
20	27	62.8	199	US-10-467-657-8058	Sequence 8058, Ap
21	27	62.8	228	US-11-074-176-136	Sequence 136, Appl
22	27	62.8	430	US-11-055-822-960	Sequence 960, Appl
23	27	62.8	445	US-10-467-657-4578	Sequence 4578, Ap
24	27	62.8	463	US-10-753-092-25	Sequence 25, Appl
25	27	62.8	697	US-11-052-554A-110	Sequence 110, Appl

26	27	62.8	734	6	US-10-652-893-2	Sequence 2, Appli
27	27	62.8	734	7	US-11-137-465-65	Sequence 65, Appl
28	27	62.8	881	7	US-11-169-041-195	Sequence 125, App
29	27	62.8	1300	7	US-11-052-554A-125	Sequence 169, App
30	27	62.8	1404	6	US-10-878-556A-169	Sequence 903, App
31	27	62.8	1614	6	US-10-821-234-303	Sequence 1674, Ap
32	27	62.8	5024	6	US-10-793-626-2964	Sequence 360, App
33	26.5	61.6	296	6	US-10-793-626-1674	Sequence 360, App
34	26	60.5	193	7	US-10-714-887-360	Sequence 7, Appli
35	26	60.5	197	7	US-11-215-658-7	Sequence 13, Appl
36	26	60.5	199	7	US-11-215-658-13	Sequence 694, App
37	26	60.5	208	6	US-10-793-626-694	Sequence 1326, Ap
38	26	60.5	208	6	US-10-793-626-1326	Sequence 6, Appli
39	26	60.5	231	7	US-11-009-658-6	Sequence 24, Appli
40	26	60.5	259	7	US-11-075-185-24	Sequence 2, Appli
41	26	60.5	262	7	US-11-009-658-2	Sequence 28, Appl
42	26	60.5	371	7	US-11-009-658-28	Sequence 216, App
43	26	60.5	384	6	US-10-858-730-216	Sequence 29, Appl
44	26	60.5	397	6	US-10-858-730-29	Sequence 1966, Ap
45	26	60.5	398	6	US-10-467-657-1966	

ALIGNMENTS

RESULT 1

US-10-485-517-307
; Sequence 307, Application US/10485517
; Publication No. US20050256299A1
; GENERAL INFORMATION:
; APPLICANT: University of Sheffield
; APPLICANT: Biosynex Incorporated
; APPLICANT: Foster, Simon
; APPLICANT: Mond, James
; TITLE OF INVENTION: Antigenic Polypeptides
; FILE REFERENCE: P100629WO
; CURRENT APPLICATION NUMBER: US/10/485,517
; CURRENT FILING DATE: 2004-02-02
; PRIOR APPLICATION NUMBER: GB 0118825.9
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: GB 0200349.9
; PRIOR FILING DATE: 2002-01-09
; NUMBER OF SEQ ID NOS: 424
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 307
; LENGTH: 488
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-10-485-517-307

Query Match 79.1%; Score 34; DB 6; Length 488;
Best Local Similarity 55.6%; Pred. No. 9;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KIMDQVQQA 9
|:|:|:|:|
Db 84 KVMEEIQQA 92

RESULT 2

US-11-114-922-84
; Sequence 84, Application US/11114922
; Publication No. US20050282260A1
; GENERAL INFORMATION:
; APPLICANT: HICKS, PAULA M.
; APPLICANT: MCFARLAN, SARA C.
; TITLE OF INVENTION: POLYPEPTIDES AND BIOSYNTHETIC PATHWAYS FOR THE
; FILE REFERENCE: 023829-0396
; CURRENT APPLICATION NUMBER: US/11/114,922
; CURRENT FILING DATE: 2005-04-26
; PRIOR APPLICATION NUMBER: 10/422,366
; PRIOR FILING DATE: 2003-04-23

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/ ORGANISM: Solazyme, Inc.
/ APPLICANT: Solazyme, Inc.
/ APPLICANT: Dillon, Harrison F.
/ TITLE OF INVENTION: Methods and Compositions for Evolving Microbial Hydrogen
/ TITLE OF INVENTION: Production
/ FILE REFERENCE: H2042101-CIP
/ CURRENT APPLICATION NUMBER: US/10/763,712A
/ CURRENT FILING DATE: 2004-01-21
/ PRIOR APPLICATION NUMBER: US 10/287,750
/ PRIOR FILING DATE: 2002-11-04
/ PRIOR APPLICATION NUMBER: US 10/411,910
/ PRIOR FILING DATE: 2003-04-12
/ PRIOR APPLICATION NUMBER: US 60/500,032
/ PRIOR FILING DATE: 2003-09-03
/ NUMBER OF SEQ ID NOS: 184
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 79
/ LENGTH: 560
/ TYPE: PRT
/ ORGANISM: Cryptosporidium parvum
US-10-763-712A-79
Query Match 67.4%; Score 29; DB 6; Length 560;
Best Local Similarity 55.6%; Pred. No. 1.1e+02;

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Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 KIMDQVQQA 9

Db 487 KFIDEVQEA 495

RESULT 7

US-10-793-626-50
; Sequence 50, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; PRIOR FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 50
; LENGTH: 817
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-50

Query Match 67.4%; Score 29; DB 6; Length 817;

Best Local Similarity 44.4%; Pred. No. 1.7e+02;

Matches 4; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1 KIMDQVQQA 9

Db 263 KWEEIHQA 271

RESULT 8

US-10-793-626-1528
; Sequence 1528, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; PRIOR FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1528
; LENGTH: 817
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-1528

Query Match 67.4%; Score 29; DB 6; Length 817;

Best Local Similarity 44.4%; Pred. No. 1.7e+02;

Matches 4; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1 KIMDQVQQA 9

Db 263 KWEEIHQA 271

RESULT 9

US-10-763-712A-18

; Sequence 18, Application US/10763712A
; Publication No. US20050266541A1
; GENERAL INFORMATION:
; APPLICANT: Solazyme, Inc.
; APPLICANT: Dillon, Harrison F.
; TITLE OF INVENTION: Methods and Compositions for Evolving Microbial Hydrogen
; TITLE OF INVENTION: Production
; FILE REFERENCE: H2042101-CIP
; CURRENT APPLICATION NUMBER: US/10/763,712A
; CURRENT FILING DATE: 2004-01-21
; PRIOR APPLICATION NUMBER: US 10/287,750
; PRIOR FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: US 10/411,910
; PRIOR FILING DATE: 2003-04-12
; PRIOR APPLICATION NUMBER: US 60/500,032
; PRIOR FILING DATE: 2003-09-03
; NUMBER OF SEQ ID NOS: 184
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 18
; LENGTH: 1206
; TYPE: PRT
; ORGANISM: Nyctotherus ovalis
US-10-763-712A-18

Query Match 67.4%; Score 29; DB 6; Length 1206;

Best Local Similarity 55.6%; Pred. No. 2.6e+02;

Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 KIMDQVQQA 9

Db 527 KVMDIIKQA 535

RESULT 10

US-10-763-712A-99
; Sequence 99, Application US/10763712A
; Publication No. US20050266541A1
; GENERAL INFORMATION:
; APPLICANT: Solazyme, Inc.
; APPLICANT: Dillon, Harrison F.
; TITLE OF INVENTION: Methods and Compositions for Evolving Microbial Hydrogen
; TITLE OF INVENTION: Production
; FILE REFERENCE: H2042101-CIP
; CURRENT APPLICATION NUMBER: US/10/763,712A
; CURRENT FILING DATE: 2004-01-21
; PRIOR APPLICATION NUMBER: US 10/287,750
; PRIOR FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: US 10/411,910
; PRIOR FILING DATE: 2003-04-12
; PRIOR APPLICATION NUMBER: US 60/500,032
; PRIOR FILING DATE: 2003-09-03
; NUMBER OF SEQ ID NOS: 184
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 99
; LENGTH: 1206
; TYPE: PRT
; ORGANISM: Nyctotherus ovalis
US-10-763-712A-99

Query Match 67.4%; Score 29; DB 6; Length 1206;

Best Local Similarity 55.6%; Pred. No. 2.6e+02;

Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 KIMDQVQQA 9

Db 527 KVMDIIKQA 535

RESULT 11

US-10-131-826A-518
; Sequence 518, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:


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; DATABASE ENTRY DATE: 1992-12-01
US-10-878-556A-142
Query Match      65.1%; Score 28; DB 6; Length 245;
Best Local Similarity 75.0%; Pred. No. 69;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

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```

QY      2 IMDQVQQA 9
Db      141 IVDQSQQA 148

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RESULT 15
US-10-858-730-198
; Sequence 198, Application US/10858730
; Publication No. US20050255568A1
; GENERAL INFORMATION:
; APPLICANT: Bailey, Richard B.
; APPLICANT: Blomquist, Paul
; APPLICANT: Doten, Reed
; APPLICANT: Driggers, Edward M.
; APPLICANT: Madden, Kevin T.
; APPLICANT: O'Leary, Jessica
; APPLICANT: O'Toole, George
; APPLICANT: Trueheart, Joshua
; APPLICANT: Walbridge, Michael J.
; APPLICANT: Yorgey, Peter S.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR AMINO ACID
; TITLE OF INVENTION: PRODUCTION
; FILE REFERENCE: 14184-030001
; CURRENT APPLICATION NUMBER: US/10/858,730
; CURRENT FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/475,000
; PRIOR FILING DATE: 2003-05-30
; PRIOR APPLICATION NUMBER: US 60/551,860
; PRIOR FILING DATE: 2004-03-10
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 198
; LENGTH: 489
; TYPE: PRT
; ORGANISM: Coryne-bacterium glutamicum
US-10-858-730-198

```

```

Query Match      65.1%; Score 28; DB 6; Length 489;
Best Local Similarity 44.4%; Pred. No. 1.5e+02;
Matches 4; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

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```

QY      1 KIMDQVQQA 9
Db      138 KILDELEQS 146

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Search completed: February 7, 2006, 13:48:18
Job time : 4.40851 secs

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GenCore version 5.1.1.7
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OM protein - protein search, using sw model

Run on: February 7, 2006, 12:45:47 ; Search time 22.766 Seconds
(without alignments)
36.315 Million cell updates/sec

Title: US-10-006-177A-2
Perfect score: 53
Sequence: 1 RLQEDPPAGV 10

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/prodata/1/1aa/5 COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	53	100.0	57	2	US-09-513-999C-6307 Sequence 6307, Ap
2	53	100.0	126	2	US-09-949-016-7772 Sequence 7772, Ap
3	53	100.0	130	2	US-09-621-976-4511 Sequence 4511, Ap
4	53	100.0	152	1	US-08-318-947A-8 Sequence 8, Appli
5	53	100.0	152	1	US-08-795-303-8 Sequence 8, Appli
6	53	100.0	152	2	US-09-216-430C-13 Sequence 13, Appl
7	53	100.0	152	2	US-09-538-092-1155 Sequence 1155, Ap
8	49	92.5	151	1	US-08-318-947A-9 Sequence 9, Appli
9	49	92.5	151	1	US-08-795-303-9 Sequence 9, Appli
10	49	92.5	152	1	US-08-318-947A-6 Sequence 6, Appli
11	49	92.5	152	1	US-08-318-947A-7 Sequence 7, Appli
12	49	92.5	152	1	US-08-533-298-2 Sequence 2, Appli
13	49	92.5	152	1	US-08-795-303-6 Sequence 6, Appli
14	49	92.5	152	1	US-08-795-303-7 Sequence 7, Appli
15	49	92.5	152	1	US-08-247-904B-16 Sequence 16, Appl
16	49	92.5	152	2	US-08-767-942A-17 Sequence 17, Appl
17	49	92.5	152	2	US-09-358-580-8 Sequence 8, Appli
18	49	92.5	152	2	US-09-358-580-10 Sequence 10, Appl
19	49	92.5	152	2	US-09-216-430C-12 Sequence 12, Appl
20	49	92.5	152	2	US-09-538-092-1000 Sequence 1000, Ap
21	49	92.5	257	2	US-09-949-016-8138 Sequence 8138, Ap
22	48	90.6	151	1	US-08-318-947A-10 Sequence 10, Appl
23	48	90.6	151	2	US-08-795-303-10 Sequence 10, Appl
24	44	83.0	152	2	US-09-358-580-12 Sequence 12, Appl
25	39	73.6	636	2	US-09-489-039A-12090 Sequence 12090, A
26	39	73.6	722	2	US-09-252-991A-26839 Sequence 26839, A
27	38	71.7	695	2	US-09-252-991A-22910 Sequence 22910, A

28	37	69.8	10	2	US-09-644-456B-60 Sequence 60, Appl
29	37	69.8	126	2	US-10-629-201-11 Sequence 11, Appl
30	37	69.8	127	2	US-10-629-201-31 Sequence 31, Appl
31	37	69.8	212	2	US-09-902-540-12720 Sequence 12720, A
32	37	69.8	217	2	US-09-252-991A-24818 Sequence 24818, A
33	37	69.8	354	2	US-09-252-991A-29717 Sequence 29717, A
34	37	69.8	408	2	US-09-252-991A-31571 Sequence 31571, A
35	37	69.8	574	1	US-08-906-713-2 Sequence 2, Appli
36	37	69.8	574	2	US-09-870-574-4 Sequence 4, Appli
37	37	69.8	574	2	US-09-949-016-7006 Sequence 7006, Ap
38	37	69.8	574	2	US-10-090-365-25 Sequence 25, Appl
39	37	69.8	574	2	US-09-728-911-25 Sequence 25, Appl
40	37	69.8	574	2	US-10-233-873A-5 Sequence 5, Appli
41	37	69.8	581	2	US-09-949-016-8522 Sequence 8522, Ap
42	37	69.8	645	2	US-09-543-681A-7757 Sequence 7757, Ap
43	37	69.8	822	2	US-09-252-991A-22479 Sequence 22479, A
44	36	67.9	176	2	US-09-902-540-14303 Sequence 14303, A
45	36	67.9	208	2	US-09-252-991A-27661 Sequence 27661, A

ALIGNMENTS

RESULT 1
US-09-513-999C-6307
; Sequence 6307, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59 US2, REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 6307
; LENGTH: 57
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-513-999C-6307

Query Match 100.0%; Score 53; DB 2; Length 57;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RLQEDPPAGV 10
Db 15 RLQEDPPAGV 24

RESULT 2

US-09-949-016-7772
; Sequence 7772, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7772
; LENGTH: 126
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-7772

Query Match 100.0%; Score 53; DB 2; Length 126;
Best Local Similarity 100.0%; Pred. No. 0.035;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RLQEDPPAGV 10
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Db 55 RLQEDPPAGV 64

RESULT 3
US-09-621-976-4511
; Sequence 4511, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 4511
; LENGTH: 130
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: 5
; OTHER INFORMATION: Xaa = *, Cys, Asp, Glu, Gly, Tyr
; NAME/KEY: UNSURE
; LOCATION: 14
; OTHER INFORMATION: Xaa = Ala, Gly
; NAME/KEY: UNSURE
; LOCATION: 7,16,17
; OTHER INFORMATION: Xaa = Ala, Gly, Pro, Arg
; NAME/KEY: UNSURE
; LOCATION: 11
; OTHER INFORMATION: Xaa = Ala, Phe, Ser, Val
; NAME/KEY: UNSURE
; LOCATION: 9
; OTHER INFORMATION: Xaa = Asp, Glu, Gly, His, Gln, Arg
; NAME/KEY: UNSURE
; LOCATION: 8
; OTHER INFORMATION: Xaa = Cys, Pro, Arg, Ser, Trp
; NAME/KEY: UNSURE
; LOCATION: 3,12
; OTHER INFORMATION: Xaa = His, Asn, Pro, Thr
; NAME/KEY: UNSURE
; LOCATION: 89
; OTHER INFORMATION: Xaa = His, Gln
; NAME/KEY: UNSURE
; LOCATION: 10
; OTHER INFORMATION: Xaa = His, Ile, Lys, Leu, Met, Asn, Gln
; NAME/KEY: UNSURE
; LOCATION: 15
; OTHER INFORMATION: Xaa = Pro, Arg, Ser, Trp
; NAME/KEY: UNSURE
; LOCATION: 90
; OTHER INFORMATION: Xaa = Pro, Ser

Query Match 100.0%; Score 53; DB 2; Length 130;
Best Local Similarity 100.0%; Pred. No. 0.037;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RLQEDPPAGV 10
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Db 24 RLQEDPPAGV 33

RESULT 4
US-08-318-947A-8
; Sequence 8, Application US/08318947A
; Patent No. 5798245
; GENERAL INFORMATION:
; APPLICANT: Anderson, Paul J.
; APPLICANT: Tian, Qingheng
; TITLE OF INVENTION: TIA-1 BINDING PROTEINS AND ISOLATED
; TITLE OF INVENTION: COMPLEMENTARY DNA ENCODING THE SAME
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & Seas
; STREET: 2100 Pennsylvania Avenue, NW Suite 800
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/318,947A
; FILING DATE: 06-OCT-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/133,530
; FILING DATE: 07-OCT-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Mack, Susan J.
; REGISTRATION NUMBER: 30,951
; REFERENCE/DOCKET NUMBER: A6462
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)293-7060
; TELEFAX: (202)293-2920
; TELEX: 6491103
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 152 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-318-947A-8

Query Match 100.0%; Score 53; DB 1; Length 152;
Best Local Similarity 100.0%; Pred. No. 0.043;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RLQEDPPAGV 10
|||
Db 15 RLQEDPPAGV 24

RESULT 5
US-08-795-303-8
; Sequence 8, Application US/08795303
; Patent No. 5948656
; GENERAL INFORMATION:
; APPLICANT: Anderson, Paul J.
; APPLICANT: Tian, Qingheng
; TITLE OF INVENTION: TIA-1 BINDING PROTEINS AND ISOLATED
; TITLE OF INVENTION: COMPLEMENTARY DNA ENCODING THE SAME
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & Seas

STREET: 2100 Pennsylvania Avenue, NW Suite 800
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20037

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/795,303
FILING DATE: 04-FEB-1997
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/318,947
FILING DATE: 06-OCT-1994
APPLICATION NUMBER: 08/133,530
FILING DATE: 07-OCT-1993

ATTORNEY/AGENT INFORMATION:
NAME: Mack, Susan J.
REGISTRATION NUMBER: 30,951
REFERENCE/DOCKET NUMBER: A6462

TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)293-7060
TELEFAX: (202)293-2920
TELEX: 6491103

INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:
LENGTH: 152 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-795-303-8

Query Match 100.0%; Score 53; DB 1; Length 152;
Best Local Similarity 100.0%; Pred. No. 0.043;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RLOEDPPAGV 10
DB 15 RLOEDPPAGV 24

RESULT 6
US-09-216-430C-13
Sequence 13, Application US/09216430C
Patent No. 6734283
GENERAL INFORMATION:
APPLICANT: Chau, Vincent
TITLE OF INVENTION: Human Proteins Responsible for NEDD8 Activation and Conjugation
FILE REFERENCE: 103576-127
CURRENT APPLICATION NUMBER: US/09/216,430C
PRIOR FILING DATE: 1998-12-18
PRIOR APPLICATION NUMBER: PCT/US98/27141
PRIOR FILING DATE: 1998-12-18
PRIOR APPLICATION NUMBER: US 60/068,209
PRIOR FILING DATE: 1998-08-12
NUMBER OF SEQ ID NOS: 38
SOFTWARE: PatentIn version 3.1

SEQ ID NO 13

LENGTH: 152
TYPE: PRT
ORGANISM: Human

FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (1)..(152)

OTHER INFORMATION: UBC2a

US-09-216-430C-13

Query Match 100.0%; Score 53; DB 2; Length 152;
Best Local Similarity 100.0%; Pred. No. 0.043;

Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RLOEDPPAGV 10
DB 15 RLOEDPPAGV 24

RESULT 7

US-09-538-092-1155
Sequence 1155, Application US/09538092
Patent No. 6753314

GENERAL INFORMATION:
APPLICANT: Giot, Loic

TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
FILE REFERENCE: 15966-542

CURRENT APPLICATION NUMBER: US/09/538,092
CURRENT FILING DATE: 2000-03-29

PRIOR APPLICATION NUMBER: 60/127,352
PRIOR FILING DATE: 1999-04-01

PRIOR APPLICATION NUMBER: 60/178,965
PRIOR FILING DATE: 2000-02-01

NUMBER OF SEQ ID NOS: 1387
SOFTWARE: CuratSeqFormatter Version 0.9

SEQ ID NO 1155

LENGTH: 152
TYPE: PRT
ORGANISM: Homo sapiens

FEATURE:
NAME/KEY: misc_feature
LOCATION: (0)..(0)

OTHER INFORMATION: Polypeptide Accession Number P49459

US-09-538-092-1155

Query Match 100.0%; Score 53; DB 2; Length 152;
Best Local Similarity 100.0%; Pred. No. 0.043;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RLOEDPPAGV 10
DB 15 RLOEDPPAGV 24

RESULT 8

US-08-318-947A-9
Sequence 9, Application US/08318947A
Patent No. 5798245

GENERAL INFORMATION:
APPLICANT: Anderson, Paul J.

TITLE OF INVENTION: TIA-1 BINDING PROTEINS AND ISOLATED
TITLE OF INVENTION: COMPLEMENTARY DNA ENCODING THE SAME

NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:

ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & Seas
STREET: 2100 Pennsylvania Avenue, NW Suite 800
CITY: Washington
STATE: DC

COUNTRY: USA
ZIP: 20037

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/318,947A
FILING DATE: 06-OCT-1994

CLASSIFICATION: 435
PRIOR APPLICATION DATA:

PRIOR APPLICATION NUMBER: 08/133,530
FILING DATE: 07-OCT-1993

ATTORNEY/AGENT INFORMATION:

```

; NAME: Mack, Susan J.
; REGISTRATION NUMBER: 30,951
; REFERENCE/DOCKET NUMBER: A6462
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)293-7060
; TELEFAX: (202)293-2920
; TELEX: 6491103
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 151 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-318-947A-9

Query Match 92.5%; Score 49; DB 1; Length 151;
Best Local Similarity 90.0%; Pred. No. 0.22;
Matches 9; Conservative 0; Mismatches 0; Indels 1; Gaps 0;

QY 1 RLQEDPPAGV 10
Db 15 RLQEDPPTGV 24

RESULT 9
US-08-795-303-9
; Sequence 9, Application US/08795303
; Patent No. 5948656
; GENERAL INFORMATION:
; APPLICANT: Anderson, Paul J.
; APPLICANT: Tian, Qingsheng
; TITLE OF INVENTION: TIA-1 BINDING PROTEINS AND ISOLATED
; TITLE OF INVENTION: COMPLEMENTARY DNA ENCODING THE SAME
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & Seas
; STREET: 2100 Pennsylvania Avenue, NW Suite 800
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,303
; FILING DATE: 04-FEB-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/318,947
; FILING DATE: 06-OCT-1994
; APPLICATION NUMBER: 08/133,530
; FILING DATE: 07-OCT-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Mack, Susan J.
; REGISTRATION NUMBER: 30,951
; REFERENCE/DOCKET NUMBER: A6462
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)293-7060
; TELEFAX: (202)293-2920
; TELEX: 6491103
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 151 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-795-303-9

Query Match 92.5%; Score 49; DB 1; Length 151;
Best Local Similarity 90.0%; Pred. No. 0.22;
Matches 9; Conservative 0; Mismatches 0; Indels 1; Gaps 0;

QY 1 RLQEDPPAGV 10
Db 15 RLQEDPPTGV 24

RESULT 9
US-08-795-303-9
; Sequence 9, Application US/08795303
; Patent No. 5948656
; GENERAL INFORMATION:
; APPLICANT: Anderson, Paul J.
; APPLICANT: Tian, Qingsheng
; TITLE OF INVENTION: TIA-1 BINDING PROTEINS AND ISOLATED
; TITLE OF INVENTION: COMPLEMENTARY DNA ENCODING THE SAME
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & Seas
; STREET: 2100 Pennsylvania Avenue, NW Suite 800
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,303
; FILING DATE: 04-FEB-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/318,947
; FILING DATE: 06-OCT-1994
; APPLICATION NUMBER: 08/133,530
; FILING DATE: 07-OCT-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Mack, Susan J.
; REGISTRATION NUMBER: 30,951
; REFERENCE/DOCKET NUMBER: A6462
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)293-7060
; TELEFAX: (202)293-2920
; TELEX: 6491103
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 151 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-795-303-9
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Query Match 92.5%; Score 49; DB 1; Length 151;
Best Local Similarity 90.0%; Pred. No. 0.22;
Matches 9; Conservative 0; Mismatches 0; Indels 1; Gaps 0;

QY 1 RLQEDPPAGV 10
Db 15 RLQEDPPTGV 24

RESULT 10
US-08-318-947A-6
; Sequence 6, Application US/08318947A
; Patent No. 5798245
; GENERAL INFORMATION:
; APPLICANT: Anderson, Paul J.
; APPLICANT: Tian, Qingsheng
; TITLE OF INVENTION: TIA-1 BINDING PROTEINS AND ISOLATED
; TITLE OF INVENTION: COMPLEMENTARY DNA ENCODING THE SAME
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & Seas
; STREET: 2100 Pennsylvania Avenue, NW Suite 800
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/318,947A
; FILING DATE: 06-OCT-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/133,530
; FILING DATE: 07-OCT-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Mack, Susan J.
; REGISTRATION NUMBER: 30,951
; REFERENCE/DOCKET NUMBER: A6462
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)293-7060
; TELEFAX: (202)293-2920
; TELEX: 6491103
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 152 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-318-947A-6

Query Match 92.5%; Score 49; DB 1; Length 152;
Best Local Similarity 90.0%; Pred. No. 0.22;
Matches 9; Conservative 0; Mismatches 0; Indels 1; Gaps 0;

QY 1 RLQEDPPAGV 10
Db 15 RLQEDPPTGV 24

RESULT 11
US-08-318-947A-7
; Sequence 7, Application US/08318947A
; Patent No. 5798245
; GENERAL INFORMATION:
; APPLICANT: Anderson, Paul J.
; APPLICANT: Tian, Qingsheng
; TITLE OF INVENTION: TIA-1 BINDING PROTEINS AND ISOLATED
; TITLE OF INVENTION: COMPLEMENTARY DNA ENCODING THE SAME
```

NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSER: Sughrue, Mion, Zinn, Macpeak & Seas
STREET: 2100 Pennsylvania Avenue, NW Suite 800
CITY: Washington
STATE: DC USA
COUNTRY: DC USA
ZIP: 20037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/318,947A
FILING DATE: 06-OCT-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/133,530
FILING DATE: 07-OCT-1993
ATTORNEY/AGENT INFORMATION:
NAME: Mack, Susan J.
REGISTRATION NUMBER: 30,951
REFERENCE/DOCKET NUMBER: A6462
TELEPHONE: (202)293-7060
TELEFAX: (202)293-2920
TELEX: 6491103
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 152 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-318-947A-7

Query Match 92.5%; Score 49; DB 1; Length 152;
Best Local Similarity 90.0%; Pred. No. 0.22;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 RLQEDPPAGV 10
Db 15 RLQEDPPGV 24

RESULT 12
US-08-533-298-2
Sequence 2, Application US/08533298
Patent No. 5851791
GENERAL INFORMATION:
APPLICANT: Vierstra, Richard D
APPLICANT: Gosink, Mark M
TITLE OF INVENTION: Ubiquitin Conjugating Enzyme (E2) Fusion
TITLE OF INVENTION: Proteins
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: Quarles and Brady
STREET: 1 South Pinckney Street - Suite 600
CITY: Madison
STATE: WI
COUNTRY: USA
ZIP: 53703
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/533,298
FILING DATE: 25-SEP-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/070,157
FILING DATE: 28-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seay, Nicholas J
REGISTRATION NUMBER: 27,386
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 152 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-533-298-2

Query Match 92.5%; Score 49; DB 1; Length 152;

Best Local Similarity 80.0%; Pred. No. 0.22;
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RLQEDPPAGV 10
Db 15 RLQEDPPAGI 24

RESULT 13
US-08-795-303-6
Sequence 6, Application US/08795303
Patent No. 5948656
GENERAL INFORMATION:
APPLICANT: Anderson, Paul J.
APPLICANT: Tian, Qingsheng
TITLE OF INVENTION: TIA-1 BINDING PROTEINS AND ISOLATED
TITLE OF INVENTION: COMPLEMENTARY DNA ENCODING THE SAME
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & Seas
STREET: 2100 Pennsylvania Avenue, NW Suite 800
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/795,303
FILING DATE: 04-FEB-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/318,947
FILING DATE: 06-OCT-1994
APPLICATION NUMBER: 08/133,530
FILING DATE: 07-OCT-1993
ATTORNEY/AGENT INFORMATION:
NAME: Mack, Susan J.
REGISTRATION NUMBER: 30,951
REFERENCE/DOCKET NUMBER: A6462
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)293-7060
TELEFAX: (202)293-2920
TELEX: 6491103
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 152 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-795-303-6

Query Match 92.5%; Score 49; DB 1; Length 152;
Best Local Similarity 90.0%; Pred. No. 0.22;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 RLQEDPPAGV 10
Db 15 RLQEDPPGV 24

RESULT 14

US-08-795-303-7
; Sequence 7, Application US/08795303
; Patent No. 5946656
; GENERAL INFORMATION:
; APPLICANT: Anderson, Paul J.
; APPLICANT: Tian, Qingsheng
; TITLE OF INVENTION: TIA-1 BINDING PROTEINS AND ISOLATED
; TITLE OF INVENTION: COMPLEMENTARY DNA ENCODING THE SAME
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sughrie, Mion, Zinn, Macpeak & Seas
; STREET: 2100 Pennsylvania Avenue, NW Suite 800
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20037

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,303

; FILING DATE: 04-FEB-1997

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/318,947

; FILING DATE: 06-OCT-1994

; APPLICATION NUMBER: 08/133,530

; FILING DATE: 07-OCT-1993

; ATTORNEY/AGENT INFORMATION:

; NAME: Mack, Susan J.

; REGISTRATION NUMBER: 30,951

; REFERENCE/DOCKET NUMBER: A6462

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (202)293-7060

; TELEFAX: (202)293-2920

; TELEX: 6491103

; INFORMATION FOR SEQ ID NO: 7:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 152 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-795-303-7

Query Match 92.5%; Score 49; DB 1; Length 152;
Best Local Similarity 90.0%; Pred. No. 0.22;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 RLQEDPPAGV 10
Db 15 RLQEDPPGV 24

RESULT 15

US-08-247-904B-16
; Sequence 16, Application US/08247904B
; Patent No. 5981699
; GENERAL INFORMATION:
; APPLICANT: Rolfe, Mark
; APPLICANT: Eckstein, Jens W.

; APPLICANT: Draetta, Giulio
; TITLE OF INVENTION: Human Ubiquitin Conjugating Enzyme
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley, Hoag & Eliot
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII(text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/247,904B
; FILING DATE: 23-MAY-1994
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: MIV-029.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 832-1000
; TELEFAX: (617) 832-7000
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 152 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-247-904B-16

Query Match 92.5%; Score 49; DB 1; Length 152;
Best Local Similarity 90.0%; Pred. No. 0.22;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 RLQEDPPAGV 10
Db 15 RLQEDPPGV 24

Search completed: February 7, 2006, 12:49:35
Job time : 22.766 secs

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OM protein - protein search, using sw model

Run on: February 7, 2006, 13:34:34 ; Search time 72.0213 seconds
(without alignments)
58.015 Million cell updates/sec

Title: US-10-006-177A-2

Perfect score: 53

Sequence: 1 RLQEDPPAGV 10

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

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Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA Main:*

- 1: /cgn2_6/ptodata/1/pubpaa/us07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/us08_PUBCOMB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/us09_PUBCOMB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/us10a_PUBCOMB.pep.*
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- 6: /cgn2_6/ptodata/1/pubpaa/us11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	53	100.0	10	US-10-006-177-2	Sequence 2, Appli
2	53	100.0	89	US-10-425-115-234519	Sequence 234519,
3	53	100.0	122	US-10-489-695-15	Sequence 15, Appl
4	53	100.0	126	US-10-732-923-18529	Sequence 18529, A
5	53	100.0	126	US-10-732-923-18530	Sequence 18530, A
6	53	100.0	152	US-10-116-275-164	Sequence 164, App
7	49	92.5	58	US-10-425-115-356888	Sequence 356888,
8	49	92.5	69	US-10-425-115-217253	Sequence 217253,
9	49	92.5	73	US-10-424-599-145487	Sequence 145487,
10	49	92.5	77	US-10-424-599-282590	Sequence 282590,
11	49	92.5	82	US-10-424-599-194713	Sequence 194713,
12	49	92.5	83	US-10-424-599-169060	Sequence 169060,
13	49	92.5	93	US-10-425-115-218996	Sequence 218996,
14	49	92.5	115	US-10-425-115-225960	Sequence 225960,
15	49	92.5	121	US-10-425-115-217252	Sequence 217252,
16	49	92.5	141	US-10-425-115-218993	Sequence 218993,
17	49	92.5	151	US-11-097-143-3093	Sequence 3093, Ap
18	49	92.5	152	US-10-424-599-158042	Sequence 158042,
19	49	92.5	152	US-10-424-599-194711	Sequence 194711,
20	49	92.5	152	US-10-424-599-280313	Sequence 280313,
21	49	92.5	152	US-10-424-599-280314	Sequence 280314,
22	49	92.5	152	US-10-437-963-148925	Sequence 148925,
23	49	92.5	152	US-10-767-701-46376	Sequence 46376, A
24	49	92.5	152	US-10-767-701-46377	Sequence 46377, A
25	49	92.5	152	US-10-425-115-217248	Sequence 217248,
26	49	92.5	152	US-10-425-115-217250	Sequence 217250,
27	49	92.5	152	US-10-425-115-217255	Sequence 217255,

ALIGNMENTS

RESULT 1

US-10-006-177-2
; Sequence 2, Application US/10006177
; Publication No. US20030165513A1
; GENERAL INFORMATION:
; APPLICANT: Ramakrishna, Venky
; APPLICANT: Ross, Mark
; APPLICANT: Philip, Ramila
; TITLE OF INVENTION: Cytotoxic T-Lymphocyte-Inducing Immunogens for Prevention, Treat
; TITLE OF INVENTION: Diagnosis of Cancer
; FILE REFERENCE: 26747-35
; CURRENT APPLICATION NUMBER: US/10/006,177
; CURRENT FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: US/60/251,022
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: US/60/256,824
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 2
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Epitopic Peptide
US-10-006-177-2

Query Match 100.0%; Score 53; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.014;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RLQEDPPAGV 10
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DB 1 RLQEDPPAGV 10

RESULT 2

US-10-425-115-234519
; Sequence 234519, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kowalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28

Sequence 218998,
Sequence 218999,
Sequence 219001,
Sequence 219004,
Sequence 219005,
Sequence 219006,
Sequence 289038,
Sequence 289039,
Sequence 289047,
Sequence 18523, A
Sequence 57694, A
Sequence 217251,
Sequence 3515, Ap
Sequence 44835, A
Sequence 3306, Ap
Sequence 148926,
Sequence 289043,
Sequence 158043,

US-10-425-115-218998
US-10-425-115-218999
US-10-425-115-219001
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US-10-425-115-219006
US-10-425-115-289038
US-10-425-115-289039
US-10-425-115-289047
US-10-732-923-18523
US-10-425-114-57694
US-10-425-115-217251
US-10-264-049-3515
US-10-425-114-44835
US-10-264-049-3306
US-10-437-963-148926
US-10-425-115-289043
US-10-424-599-158043

28 49 92.5 152 4
29 49 92.5 152 4
30 49 92.5 152 4
31 49 92.5 152 4
32 49 92.5 152 4
33 49 92.5 152 4
34 49 92.5 152 4
35 49 92.5 152 4
36 49 92.5 152 4
37 49 92.5 152 5
38 49 92.5 157 4
39 49 92.5 162 4
40 49 92.5 166 4
41 49 92.5 171 4
42 49 92.5 172 4
43 49 92.5 176 4
44 49 92.5 181 4
45 49 92.5 191 4

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; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 234519
; LENGTH: 89
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(89)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_145467C.1.pgp
US-10-425-115-234519

Query Match      100.0%; Score 53; DB 4; Length 89;
Best Local Similarity 100.0%; Pred. No. 0.13;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 RLQEDPPAGV 10
Db      2 RLQEDPPAGV 11
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RESULT 3
US-10-489-695-15
; Sequence 15, Application US/10489695
; Publication No. US20050107293A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE CORPORATION; SPRAGUE, William W.;
; APPLICANT: CHAWLA, Narinder K.; WARREN, Bridget A.;
; APPLICANT: TANG, Y. Tom; ELLIOTT, Vicki S.;
; APPLICANT: MARQUIS, Joseph P.; LI, Joana X.;
; APPLICANT: GRIFFIN, Jennifer A.; GRETZEN, Kimberly J.;
; APPLICANT: YANG, Junming; LU, Dyung Alina M.;
; APPLICANT: EMERLING, Brooke M.; DUGGAN, Brendan M.;
; APPLICANT: RICHARDSON, Thomas W.; LEE, Soo Yeun;
; APPLICANT: RAMKUMAR, Jayalaxmi; BECHA, Shanya D.;
; APPLICANT: LEHR-MASON, Patricia M.; SWARNAKAR, Anita;
; APPLICANT: TRAN, Uyen K.; KABLE, Amy E.;
; APPLICANT: HAFALIA, April J.A.; KHARE, Reena
; TITLE OF INVENTION: PROTEIN MODIFICATION AND MAINTENANCE MOLECULES
; FILE REFERENCE: PF-1186 USN
; CURRENT APPLICATION NUMBER: US/10/489,695
; CURRENT FILING DATE: 2004-03-15
; PRIOR APPLICATION NUMBER: PCT/US02/29221
; PRIOR FILING DATE: 2002-09-13
; PRIOR APPLICATION NUMBER: US 60/322,196
; PRIOR FILING DATE: 2001-09-14
; PRIOR APPLICATION NUMBER: US 60/324,134
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: US 60/327,233
; PRIOR FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: US 60/346,198
; PRIOR FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: US 60/343,980
; PRIOR FILING DATE: 2001-11-02
; PRIOR APPLICATION NUMBER: US 60/348,887
; PRIOR FILING DATE: 2001-11-09
; PRIOR APPLICATION NUMBER: US 60/332,423
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: US 60/334,145
; PRIOR FILING DATE: 2001-11-28
; PRIOR APPLICATION NUMBER: US 60/334,229
; PRIOR FILING DATE: 2001-11-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 62
; SOFTWARE: PERL Program
; SEQ ID NO 15
; LENGTH: 122
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No: 7503485CD1
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US-10-489-695-15

Query Match      100.0%; Score 53; DB 5; Length 122;
Best Local Similarity 100.0%; Pred. No. 0.19;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 RLQEDPPAGV 10
Db      15 RLQEDPPAGV 24
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RESULT 4
US-10-732-923-18529
; Sequence 18529, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 18529
; LENGTH: 126
; TYPE: PRT
; ORGANISM: Equus caballus
US-10-732-923-18529

Query Match      100.0%; Score 53; DB 5; Length 126;
Best Local Similarity 100.0%; Pred. No. 0.19;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 RLQEDPPAGV 10
Db      6 RLQEDPPAGV 15
      |||||

RESULT 5
US-10-732-923-18530
; Sequence 18530, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 18530
; LENGTH: 126
; TYPE: PRT
; ORGANISM: Sus scrofa
US-10-732-923-18530

Query Match      100.0%; Score 53; DB 5; Length 126;
Best Local Similarity 100.0%; Pred. No. 0.19;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 RLQEDPPAGV 10
Db      6 RLQEDPPAGV 15
      |||||

RESULT 6
US-10-116-275-164
; Sequence 164, Application US/10116275
; Publication No. US20030211476A1
; GENERAL INFORMATION:
; APPLICANT: Elan Pharmaceutical Technology
```



```
; APPLICANT: O'Mahony, Daniel J.
; APPLICANT: Brayden, David
; APPLICANT: Byrne, Daragh
; APPLICANT: Lambkin, Imelda
; APPLICANT: Higgins, Lisa
; TITLE OF INVENTION: Genetic Analysis of Peyer's Patches and M Cells and Methods and
; FILE REFERENCE: E1067/20087
; CURRENT APPLICATION NUMBER: US/10/116,275
; CURRENT FILING DATE: 2002-10-04
; NUMBER OF SEQ ID NOS: 349
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 164
; LENGTH: 152
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-116-275-164

Query Match      100.0%; Score 53; DB 4; Length 152;
Best Local Similarity 100.0%; Pred. No. 0.23;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 RLQEDPPAGV 10
Db      15 RLQEDPPAGV 24

RESULT 7
US-10-425-115-356888
; Sequence 356888, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 356888
; LENGTH: 58
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_88650C.1.pep
US-10-425-115-356888

Query Match      92.5%; Score 49; DB 4; Length 58;
Best Local Similarity 80.0%; Pred. No. 0.43;
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 RLQEDPPAGV 10
Db      15 RLQEDPPAGV 24

RESULT 8
US-10-425-115-217253
; Sequence 217253, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
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; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 217253
; LENGTH: 69
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(69)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_129736C.1.pep
US-10-425-115-217253

Query Match      92.5%; Score 49; DB 4; Length 69;
Best Local Similarity 80.0%; Pred. No. 0.52;
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 RLQEDPPAGV 10
Db      15 RLQEDPPAGV 24

RESULT 9
US-10-424-599-145487
; Sequence 145487, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 145487
; LENGTH: 73
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(73)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_102394C.1.pep
US-10-424-599-145487

Query Match      92.5%; Score 49; DB 4; Length 73;
Best Local Similarity 80.0%; Pred. No. 0.55;
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 RLQEDPPAGV 10
Db      15 RLQEDPPAGV 24

RESULT 10
US-10-424-599-282590
; Sequence 282590, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
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; SEQ ID NO 282590
; LENGTH: 83
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(83)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_971C.1.pep
US-10-424-599-169060

Query Match          92.5%; Score 49; DB 4; Length 83;
Best Local Similarity 80.0%; Pred. No. 0.58;
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 RLQEDPPAGV 10
   |||:|||||
Db 14 RLQDDPPAGI 23

RESULT 11
US-10-424-599-194713
; Sequence 194713, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 194713
; LENGTH: 82
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(82)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_17853C.1.pep
US-10-424-599-194713

Query Match          92.5%; Score 49; DB 4; Length 82;
Best Local Similarity 80.0%; Pred. No. 0.62;
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 RLQEDPPAGV 10
   |||:|||||
Db 15 RLQDDPPAGI 24

RESULT 12
US-10-424-599-169060
; Sequence 169060, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 169060

; SEQ ID NO 282590
; LENGTH: 83
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(83)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_123676C.1.pep
US-10-424-599-169060

Query Match          92.5%; Score 49; DB 4; Length 83;
Best Local Similarity 80.0%; Pred. No. 0.63;
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 RLQEDPPAGV 10
   |||:|||||
Db 12 RLQDDPPAGI 21

RESULT 13
US-10-425-115-218996
; Sequence 218996, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 218996
; LENGTH: 93
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(93)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_131316C.1.pep
US-10-425-115-218996

Query Match          92.5%; Score 49; DB 4; Length 93;
Best Local Similarity 80.0%; Pred. No. 0.7;
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 RLQEDPPAGV 10
   |||:|||||
Db 15 RLQDDPPAGI 24

RESULT 14
US-10-425-115-225960
; Sequence 225960, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 225960
; LENGTH: 115
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; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_137666C.1.pep
US-10-425-115-225960

Query Match      92.5%; Score 49; DB 4; Length 115;
Best Local Similarity 80.0%; Pred. No. 0.88;
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 RLQEDPPAGV 10
Db      15 RLQDPPAGI 24
      |||:||||:

RESULT 15
US-10-425-115-217252
; Sequence 217252, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 217252
; LENGTH: 121
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_129735C.1.pep
US-10-425-115-217252

Query Match      92.5%; Score 49; DB 4; Length 121;
Best Local Similarity 80.0%; Pred. No. 0.93;
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 RLQEDPPAGV 10
Db      15 RLQDPPAGI 24
      |||:||||:

Search completed: February 7, 2006, 13:47:28
Job time : 73.1213 secs
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OM protein - protein search, using sw model

Run on: February 7, 2006, 13:36:27 ; Search time 4.78723 Seconds
(without alignments)
24.478 Million cell updates/sec

Title: US-10-006-177A-2

Perfect score: 53

Sequence: 1 RLQEDPPAGV 10

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 88029 seqs, 11718060 residues

Total number of hits satisfying chosen parameters: 88029

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA_New.*
1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
2: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
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6: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
7: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
8: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	37	69.8	574	6	US-10-063-703-164
2	37	69.8	574	7	US-11-102-240-164
3	37	69.8	574	7	US-11-124-925-5
4	34	64.2	25	7	US-11-077-886-28
5	34	64.2	25	7	US-11-077-886-32
6	34	64.2	459	7	US-11-186-284-12
7	34	64.2	553	7	US-11-090-439-18
8	33	62.3	25	7	US-11-077-886-27
9	33	62.3	31	6	US-10-467-657-1684
10	33	62.3	384	6	US-10-525-674-44
11	33	62.3	1250	6	US-10-531-036-37
12	33	62.3	1572	7	US-11-143-980-46
13	31	58.5	134	7	US-11-082-544-58
14	31	58.5	140	7	US-11-082-544-60
15	31	58.5	149	6	US-10-821-234-1244
16	31	58.5	1127	6	US-10-858-730-13
17	30	56.6	25	7	US-11-077-886-30
18	30	56.6	92	6	US-10-485-788A-657
19	30	56.6	92	7	US-11-053-076-19
20	30	56.6	166	7	US-11-055-822-216
21	30	56.6	166	7	US-11-055-822-218
22	30	56.6	166	7	US-11-055-822-506
23	30	56.6	166	7	US-11-055-822-870
24	30	56.6	166	7	US-11-055-822-872
25	30	56.6	169	6	US-10-467-657-784

26	30	56.6	189	6	US-10-878-556A-168	Sequence 168, Appl
27	30	56.6	336	6	US-10-467-657-6080	Sequence 6080, Ap
28	30	56.6	345	6	US-10-888-962-7	Sequence 7, Appli
29	30	56.6	346	7	US-11-000-365-52	Sequence 52, Appl
30	30	56.6	346	7	US-11-032-794-52	Sequence 52, Appl
31	30	56.6	396	6	US-10-493-909-79	Sequence 79, Appl
32	30	56.6	398	6	US-10-131-826A-348	Sequence 348, Appl
33	30	56.6	401	7	US-11-000-365-50	Sequence 50, Appl
34	30	56.6	401	7	US-11-032-794-50	Sequence 50, Appl
35	30	56.6	432	6	US-10-467-657-1890	Sequence 1890, Ap
36	30	56.6	432	6	US-10-467-657-6128	Sequence 6128, Ap
37	30	56.6	528	6	US-10-878-556A-77	Sequence 77, Appl
38	30	56.6	536	7	US-11-156-003-14	Sequence 14, Appl
39	30	56.6	536	7	US-11-156-003-15	Sequence 15, Appl
40	30	56.6	542	7	US-11-156-003-1	Sequence 1, Appli
41	30	56.6	542	7	US-11-156-003-10	Sequence 10, Appl
42	30	56.6	542	7	US-11-156-003-11	Sequence 11, Appl
43	30	56.6	542	7	US-11-156-003-12	Sequence 12, Appl
44	30	56.6	542	7	US-11-156-003-13	Sequence 13, Appl
45	30	56.6	547	7	US-11-156-003-16	Sequence 16, Appl

ALIGNMENTS

RESULT 1
US-10-063-703-164
; Sequence 164, Application US/10063703
; Publication No. US20060008901A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063,703
; CURRENT FILING DATE: 2002-05-08
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 164
; LENGTH: 574
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-703-164

Query Match 69.8%; Score 37; DB 6; Length 574;
Best Local Similarity 66.7%; Pred. No. 13;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
QY 1 RLQEDPPAG 9
DB 430 QLQKEPPAG 438
:::|||||

RESULT 2
US-11-102-240-164
; Sequence 164, Application US/11102240
; Publication No. US20050260647A1
; GENERAL INFORMATION:
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: ANTIBODIES TO POLYPEPTIDES ENCODED BY A NUCLEIC ACID UNDEREXPRESS
; TITLE OF INVENTION: ESOPHAGEAL TUMOR

```
; FILE REFERENCE: P3230RIC106C
; CURRENT APPLICATION NUMBER: US/11/102,240
; CURRENT FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: 10/063662
; PRIOR FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: 10/006867
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 60/170262
; PRIOR FILING DATE: 199-12-09
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 164
; LENGTH: 574
; TYPE: PRT
; ORGANISM: Homo Sapien
US-11-102-240-164
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```
Query Match 69.8%; Score 37; DB 7; Length 574;
Best Local Similarity 66.7%; Pred. No. 13;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
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```
QY 1 RLQEDPPAG 9
Db 430 QLOKEPPAG 438
```

```
RESULT 3
US-11-124-925-5
; Sequence 5, Application US/11/124925
; Publication No. US20060013815A1
; GENERAL INFORMATION:
; APPLICANT: Peng Liang
; TITLE OF INVENTION: THE HUMAN MOB-5 (IL-24) RECEPTORS AND USES THEREOF
; FILE REFERENCE: 22000.009104
; CURRENT APPLICATION NUMBER: US/11/124,925
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US/10/233,873
; PRIOR FILING DATE: 2002-11-29
; PRIOR APPLICATION NUMBER: 60/315,684
; PRIOR FILING DATE: 2001-08-29
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 574
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence; Note =
; OTHER INFORMATION: Synthetic Construct
US-11-124-925-5
```

```
Query Match 69.8%; Score 37; DB 7; Length 574;
Best Local Similarity 66.7%; Pred. No. 13;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 RLQEDPPAG 9
Db 430 QLOKEPPAG 438
```

```
RESULT 4
US-11-077-886-28
; Sequence 28, Application US/11077886
; Publication No. US20050266436A1
; GENERAL INFORMATION:
; APPLICANT: Sobek, Harald
; APPLICANT: Frey, Bruno
; APPLICANT: Antranikian, Garabed
; APPLICANT: Boehlke, Kristina
; APPLICANT: Pisani, Francesca Maria
; APPLICANT: Rossi, Mose
; TITLE OF INVENTION: Mutant B-type DNA Polymerases Exhibiting Improved Performance in
```

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; FILE REFERENCE: 5328
; CURRENT APPLICATION NUMBER: US/11/077,886
; CURRENT FILING DATE: 2005-03-11
; PRIOR APPLICATION NUMBER: US/09/803,165
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: EP/00105155.6
; PRIOR FILING DATE: 2000-03-11
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 28
; LENGTH: 25
; TYPE: PRT
; ORGANISM: S. acidocaldarius
US-11-077-886-28
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```
Query Match 64.2%; Score 34; DB 7; Length 25;
Best Local Similarity 100.0%; Pred. No. 2;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY 5 DPPAGV 10
Db 17 DPPAGV 22
```

```
RESULT 5
US-11-077-886-32
; Sequence 32, Application US/11077886
; Publication No. US20050266436A1
; GENERAL INFORMATION:
; APPLICANT: Sobek, Harald
; APPLICANT: Frey, Bruno
; APPLICANT: Antranikian, Garabed
; APPLICANT: Boehlke, Kristina Maria
; APPLICANT: Pisani, Francesca Maria
; APPLICANT: Rossi, Mose
; TITLE OF INVENTION: Mutant B-type DNA Polymerases Exhibiting Improved Performance in
; FILE REFERENCE: 5328
; CURRENT APPLICATION NUMBER: US/11/077,886
; CURRENT FILING DATE: 2005-03-11
; PRIOR APPLICATION NUMBER: US/09/803,165
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: EP/00105155.6
; PRIOR FILING DATE: 2000-03-11
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 32
; LENGTH: 25
; TYPE: PRT
; ORGANISM: S. chwakuensis
US-11-077-886-32
```

```
Query Match 64.2%; Score 34; DB 7; Length 25;
Best Local Similarity 100.0%; Pred. No. 2;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 5 DPPAGV 10
Db 17 DPPAGV 22
```

```
RESULT 6
US-11-186-284-12
; Sequence 12, Application US/11186284
; Publication No. US20050266493A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Berger, Allison
; APPLICANT: Guillemette, Tracy L.
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Thibodeau, Stephen N.
; APPLICANT: BURGART, Lawrence J.
```

; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; FILE REFERENCE: MP01-029P2RNM
; CURRENT APPLICATION NUMBER: US/11/186,284
; PRIOR FILING DATE: 2005-07-21
; PRIOR APPLICATION NUMBER: US/10/301,822
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 60/339,971
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: US 60/361,978
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/381,988
; PRIOR FILING DATE: 2002-05-20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 459
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-11-186-284-12

Query Match 64.2%; Score 34; DB 7; Length 459;
Best Local Similarity 66.7%; Pred. No. 38;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 1 RLQEDPPAG 9
|:|||||
Db 42 RMQEDSPLG 50

RESULT 7
US-11-090-439-18
; Sequence 18, Application US/11090439
; Publication No. US20050266442A1
; GENERAL INFORMATION:
; APPLICANT: Squillace, Rachel
; APPLICANT: Weiner, Michael P.
; TITLE OF INVENTION: Immortalized Human Tuberos Sclerosis Null
; TITLE OF INVENTION: Angiomyolipoma Cell and Method of Use Thereof
; FILE REFERENCE: 24318-502
; CURRENT APPLICATION NUMBER: US/11/090,439
; CURRENT FILING DATE: 2005-03-25
; PRIOR APPLICATION NUMBER: 60/556,344
; PRIOR FILING DATE: 2004-03-25
; NUMBER OF SEQ ID NOS: 62
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 553
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-090-439-18

Query Match 64.2%; Score 34; DB 7; Length 553;
Best Local Similarity 50.0%; Pred. No. 46;
Matches 5; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 1 RLQEDPPAGV 10
|:|||||
Db 538 RLQEDPPVSL 547

RESULT 8
US-11-077-886-27
; Sequence 27, Application US/11077886
; Publication No. US20050266436A1
; GENERAL INFORMATION:
; APPLICANT: Sobek, Harald
; APPLICANT: Frey, Bruno
; APPLICANT: Antranikian, Garabed
; APPLICANT: Boehlke, Kristina Maria
; APPLICANT: Pisani, Francesca Maria
; APPLICANT: Rossi, Mose

; TITLE OF INVENTION: Mutant B-type DNA Polymerases Exhibiting Improved Performance in
; FILE REFERENCE: 5328
; CURRENT APPLICATION NUMBER: US/11/077,886
; CURRENT FILING DATE: 2005-03-11
; PRIOR APPLICATION NUMBER: US/09/803,165
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: EP/00105155.6
; PRIOR FILING DATE: 2000-03-11
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 27
; LENGTH: 25
; TYPE: PRT
; ORGANISM: S. solfataricus
US-11-077-886-27

Query Match 62.3%; Score 33; DB 7; Length 25;
Best Local Similarity 83.3%; Pred. No. 3.1;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 5 DPPAGV 10
|:|||||
Db 17 DPPAGI 22

RESULT 9
US-10-467-657-1684
; Sequence 1684, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 1684
; LENGTH: 31
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-1684

Query Match 62.3%; Score 33; DB 6; Length 31;
Best Local Similarity 60.0%; Pred. No. 3.8;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 1 RLQEDPPAGV 10
|:|||||
Db 4 RLQEDPPAGM 13

RESULT 10
US-10-525-674-44
; Sequence 44, Application US/10525674
; Publication No. US20060003425A1
; GENERAL INFORMATION:
; APPLICANT: Kroger, Burkhard
; APPLICANT: Zelder, Oskar
; APPLICANT: Kolpprogge, Corinna
; APPLICANT: Schroder, Hartwig
; APPLICANT: Hafner, Stefan
; TITLE OF INVENTION: Method for Zymotic Production of Fine Chemicals Containing
; FILE REFERENCE: 13111-00002-US
; CURRENT APPLICATION NUMBER: US/10/525,674
; CURRENT FILING DATE: 2005-02-24

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/ PRIOR APPLICATION NUMBER: PCT/EP 2003/009452
/ PRIOR FILING DATE: 2003-08-26
/ PRIOR APPLICATION NUMBER: DE 102 39 073.8
/ PRIOR FILING DATE: 2002-08-26
/ NUMBER OF SEQ ID NOS: 69
/ SOFTWARE: PatentIn version 3.3
/ SEQ ID NO 44
/ LENGTH: 384
/ TYPE: PRT
/ ORGANISM: acromonium crysogenum
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: 13 .. 13
/ OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: 18 .. 18
/ OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: 45 .. 45
/ OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: 59 .. 59
/ OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: 89 .. 89
/ OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: 137 .. 137
/ OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: 145 .. 145
/ OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: 206 .. 206
/ OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: 297 .. 297
/ OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: 320 .. 320
/ OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: 326 .. 326
/ OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: 366 .. 366
/ OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: 384 .. 384
/ OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
/ US-10-525-674-44
Query Match 62.3%; Score 33; DB 6; Length 384;
Best Local Similarity 66.7%; Pred. No. 49;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 2 LQEDPPAGV 10
Db 238 LQESKPAGI 246

/ PRIOR APPLICATION NUMBER: PCT/EP03/11352
/ PRIOR FILING DATE: 2003-10-14
/ PRIOR APPLICATION NUMBER: EP 02024747.4
/ PRIOR FILING DATE: 2002-11-06
/ PRIOR APPLICATION NUMBER: EP 02023560.2
/ PRIOR FILING DATE: 2002-10-22
/ PRIOR APPLICATION NUMBER: EP 02022880.5
/ PRIOR FILING DATE: 2002-10-14
/ NUMBER OF SEQ ID NOS: 37
/ SOFTWARE: PatentIn version 3.3
/ SEQ ID NO 37
/ LENGTH: 1250
/ TYPE: PRT
/ ORGANISM: Drosophila melanogaster
/ US-10-531-036-37
Query Match 62.3%; Score 33; DB 6; Length 1250;
Best Local Similarity 62.5%; Pred. No. 1.6e+02;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 2 LQEDPPAG 9
Db 994 IMKDPAG 1001

RESULT 11
US-10-531-036-37
; Sequence 37, Application US/10531036
; Publication No. US20060015951A1
; GENERAL INFORMATION:
; APPLICANT: Eulenber, Karsten
; APPLICANT: Meise, Martin
; APPLICANT: Molitor, Andreas
; APPLICANT: Steuernagel, Arnd
; TITLE OF INVENTION: Proteins Involved in the Regulation of Energy Homeostasis
; FILE REFERENCE: 2923-696
; CURRENT APPLICATION NUMBER: US/10/531,036
; CURRENT FILING DATE: 2005-04-12
; PRIOR APPLICATION NUMBER: PCT/EP03/11352
; PRIOR FILING DATE: 2003-10-14
; PRIOR APPLICATION NUMBER: EP 02024747.4
; PRIOR FILING DATE: 2002-11-06
; PRIOR APPLICATION NUMBER: EP 02023560.2
; PRIOR FILING DATE: 2002-10-22
; PRIOR APPLICATION NUMBER: EP 02022880.5
; PRIOR FILING DATE: 2002-10-14
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 37
; LENGTH: 1250
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; US-10-531-036-37

RESULT 12
US-11-143-980-46
; Sequence 46, Application US/11143980
; Publication No. US20050272133A1
; GENERAL INFORMATION:
; APPLICANT: He, Min
; APPLICANT: Hucul, John
; APPLICANT: Haltli, Bradley A.
; APPLICANT: Wagenaar, Melissa M.
; APPLICANT: Graziani, Edmund
; APPLICANT: Summers, Mia
; APPLICANT: Kulowski, Kerry
; APPLICANT: Pong, Kevin
; TITLE OF INVENTION: Biosynthetic Gene Cluster for the Production of a Complex
; FILE REFERENCE: AM-101426US
; CURRENT APPLICATION NUMBER: US/11/143,980
; CURRENT FILING DATE: 2005-06-03
; PRIOR APPLICATION NUMBER: US 60/664,483
; PRIOR FILING DATE: 2005-03-23
; PRIOR APPLICATION NUMBER: US 60/576,895
; PRIOR FILING DATE: 2004-06-03
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 46
; LENGTH: 1572
; TYPE: PRT
; ORGANISM: Streptomyces sp.
; US-11-143-980-46
Query Match 62.3%; Score 33; DB 7; Length 1572;
Best Local Similarity 60.0%; Pred. No. 2e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 RLQEDPPAGV 10
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Db 1466 RLSDDBPKV 1475
|| : ||| |

RESULT 13
US-11-082-544-58
; Sequence 58, Application US/11082544
; Publication No. US20050249706A1
; GENERAL INFORMATION:
; APPLICANT: Bermudes, G.
; APPLICANT: King, I.
; APPLICANT: Clairmont, C.
; APPLICANT: Lin, S.
; APPLICANT: Belcourt, M.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: TUMOR-TARGETED DELIVERY OF EFFECTOR MOLECULES
; CURRENT APPLICATION NUMBER: US/11/082,544
; CURRENT FILING DATE: 2005-03-17
; PRIOR APPLICATION NUMBER: US/09/645,415
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 60/157,581
; PRIOR FILING DATE: 1999-10-04
; PRIOR APPLICATION NUMBER: 60/157,637
; PRIOR FILING DATE: 1999-10-04
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 58
; LENGTH: 134
; TYPE: PRT
; ORGANISM: Bacteriophage
US-11-082-544-58

Query Match 58.5%; Score 31; DB 7; Length 134;
Best Local Similarity 75.0%; Pred. No. 39;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 LQEDPPAG 9
||| |
Db 17 LQEDTPPG 24

RESULT 14
US-11-082-544-60
; Sequence 60, Application US/11082544
; Publication No. US20050249706A1
; GENERAL INFORMATION:
; APPLICANT: Bermudes, G.
; APPLICANT: King, I.
; APPLICANT: Clairmont, C.
; APPLICANT: Lin, S.
; APPLICANT: Belcourt, M.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: TUMOR-TARGETED DELIVERY OF EFFECTOR MOLECULES
; CURRENT APPLICATION NUMBER: US/11/082,544
; CURRENT FILING DATE: 2005-03-17
; PRIOR APPLICATION NUMBER: US/09/645,415
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 60/157,581
; PRIOR FILING DATE: 1999-10-04
; PRIOR APPLICATION NUMBER: 60/157,637
; PRIOR FILING DATE: 1999-10-04
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 60
; LENGTH: 140
; TYPE: PRT
; ORGANISM: Bacteriophage
US-11-082-544-60

Query Match 58.5%; Score 31; DB 7; Length 140;
Best Local Similarity 75.0%; Pred. No. 41;

Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 2 LQEDPPAG 9
||| |
Db 23 LQEDTPPG 30

RESULT 15
US-10-821-234-1244
; Sequence 1244, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pc_SEQ_genes Version 1.0
; SEQ ID NO 1244
; LENGTH: 149
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1244

Query Match 58.5%; Score 31; DB 6; Length 149;
Best Local Similarity 71.4%; Pred. No. 43;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 RLQEDPPP 7
|| : |||
Db 48 RLDDDDPP 54

Search completed: February 7, 2006, 13:48:18
Job time : 4.88723 secs

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~~This Page Blank (uspto)~~

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: February 7, 2006, 12:45:47 ; Search time 20.4894 Seconds
(without alignments)
36.315 Million cell updates/sec

Title: US-10-006-177A-3
Perfect score: 44
Sequence: 1 KLDVGNAEV 9

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA.*
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6: /cgn2_6/ptodata/1/1aa/backfiles.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	44	100.0	246	US-09-180-167A-1	Sequence 1, Appli
2	44	100.0	246	US-09-033-524B-1	Sequence 1, Appli
3	36	81.8	245	US-09-180-167A-33	Sequence 33, Appli
4	36	81.8	245	US-09-033-524B-33	Sequence 33, Appli
5	35	79.5	63	US-09-180-167A-6	Sequence 6, Appli
6	35	79.5	63	US-09-033-524B-6	Sequence 6, Appli
7	35	79.5	656	US-09-902-540-9810	Sequence 9810, Ap
8	34	77.3	352	US-09-252-991A-19989	Sequence 19989, A
9	34	77.3	435	US-09-252-991A-28507	Sequence 28507, A
10	33	75.0	783	US-09-252-991A-32103	Sequence 32103, A
11	32	72.7	168	US-08-483-534A-2	Sequence 2, Appli
12	32	72.7	168	US-08-972-301-2	Sequence 2, Appli
13	32	72.7	178	US-09-813-718-6	Sequence 6, Appli
14	32	72.7	215	US-09-949-016-7889	Sequence 7889, Ap
15	32	72.7	275	US-09-134-000C-4313	Sequence 4313, Ap
16	32	72.7	301	US-08-705-868-1	Sequence 1, Appli
17	32	72.7	301	US-09-123-615-1	Sequence 1, Appli
18	32	72.7	301	US-09-919-039-132	Sequence 132, App
19	32	72.7	393	US-09-248-796A-19608	Sequence 19608, A
20	32	72.7	456	US-09-634-238-276	Sequence 276, App
21	32	72.7	492	US-09-949-016-10567	Sequence 10567, A
22	32	72.7	536	US-09-813-718-2	Sequence 2, Appli
23	32	72.7	564	US-09-252-991A-23143	Sequence 23143, A
24	32	72.7	664	US-09-902-540-16365	Sequence 16365, A
25	32	72.7	973	US-09-107-532A-4810	Sequence 4810, Ap
26	32	72.7	1163	US-09-134-000C-5707	Sequence 5707, Ap
27	31	70.5	154	US-09-621-976-4212	Sequence 4212, Ap

ALIGNMENTS

RESULT 1

US-09-180-167A-1
; Sequence 1, Application US/09180167A
; Patent No. 6558950
; GENERAL INFORMATION:
; APPLICANT: Gordon C. Shore et al.
; TITLE OF INVENTION: METHODS AND REAGENTS FOR MODULATING
; FILE REFERENCE: 50013/004003
; CURRENT APPLICATION NUMBER: US/09/180,167A
; CURRENT FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: CA 2,198,988
; PRIOR FILING DATE: 1997-03-03
; PRIOR APPLICATION NUMBER: PCT/IB98/00706
; PRIOR FILING DATE: 1998-03-02
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 246
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-180-167A-1

Query Match 100.0%; Score 44; DB 2; Length 246;
Best Local Similarity 100.0%; Pred. No. 0.092;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KLDVGNAEV 9
DB 167 KLDVGNAEV 175

RESULT 2

US-09-033-524B-1
; Sequence 1, Application US/09033524B
; Patent No. 6607880
; GENERAL INFORMATION:
; APPLICANT: Gordon C. Shore et al.
; TITLE OF INVENTION: METHODS AND REAGENTS FOR MODULATING
; FILE REFERENCE: 50013/004002
; CURRENT APPLICATION NUMBER: US/09/033,524B
; CURRENT FILING DATE: 1998-03-02
; PRIOR APPLICATION NUMBER: CA 2,198,988
; PRIOR FILING DATE: 1997-03-03
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 246
; TYPE: PRT

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; ORGANISM: Homo sapiens
US-09-033-524B-1

Query Match      100.0%; Score 44; DB 2; Length 246;
Best Local Similarity 100.0%; Pred. No. 0.092;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KLDVGNAAEV 9
   |||||
Db 167 KLDVGNAAEV 175

RESULT 3
US-09-180-167A-33
; Sequence 33, Application US/09180167A
; Patent No. 6558950
; GENERAL INFORMATION:
; APPLICANT: Gordon C. Shore et al.
; TITLE OF INVENTION: METHODS AND REAGENTS FOR MODULATING
; FILE REFERENCE: 50013/004003
; CURRENT APPLICATION NUMBER: US/09/180,167A
; CURRENT FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: CA 2,198,988
; PRIOR FILING DATE: 1997-03-03
; PRIOR APPLICATION NUMBER: PCT/IB98/00706
; PRIOR FILING DATE: 1998-03-02
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 33
; LENGTH: 245
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-180-167A-33

Query Match      81.8%; Score 36; DB 2; Length 245;
Best Local Similarity 66.7%; Pred. No. 5.5;
Matches 6; Conservative 2; Mismatches 1; Indels 1; Gaps 0;

QY 1 KLDVGNAAEV 9
   |||||
Db 167 KLDIGNTEM 175

RESULT 4
US-09-033-524B-33
; Sequence 33, Application US/09033524B
; Patent No. 6607880
; GENERAL INFORMATION:
; APPLICANT: Gordon C. Shore et al.
; TITLE OF INVENTION: METHODS AND REAGENTS FOR MODULATING
; FILE REFERENCE: 50013/004002
; CURRENT APPLICATION NUMBER: US/09/033,524B
; CURRENT FILING DATE: 1998-03-02
; PRIOR APPLICATION NUMBER: CA 2,198,988
; PRIOR FILING DATE: 1997-03-03
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 33
; LENGTH: 245
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-033-524B-33

Query Match      81.8%; Score 36; DB 2; Length 245;
Best Local Similarity 66.7%; Pred. No. 5.5;
Matches 6; Conservative 2; Mismatches 1; Indels 1; Gaps 0;

QY 1 KLDVGNAAEV 9
   |||||
Db 167 KLDIGNTEM 175

; ORGANISM: Homo sapiens
US-09-033-524B-6

Query Match      79.5%; Score 35; DB 2; Length 63;
Best Local Similarity 100.0%; Pred. No. 1.9;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 DVGNAEV 9
   |||||
Db 1 DVGNAEV 7

RESULT 5
US-09-180-167A-6
; Sequence 6, Application US/09180167A
; Patent No. 6558950
; GENERAL INFORMATION:
; APPLICANT: Gordon C. Shore et al.
; TITLE OF INVENTION: METHODS AND REAGENTS FOR MODULATING
; FILE REFERENCE: 50013/004003
; CURRENT APPLICATION NUMBER: US/09/180,167A
; CURRENT FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: CA 2,198,988
; PRIOR FILING DATE: 1997-03-03
; PRIOR APPLICATION NUMBER: PCT/IB98/00706
; PRIOR FILING DATE: 1998-03-02
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 63
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-180-167A-6

Query Match      79.5%; Score 35; DB 2; Length 63;
Best Local Similarity 100.0%; Pred. No. 1.9;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 DVGNAEV 9
   |||||
Db 1 DVGNAEV 7

RESULT 6
US-09-033-524B-6
; Sequence 6, Application US/09033524B
; Patent No. 6607880
; GENERAL INFORMATION:
; APPLICANT: Gordon C. Shore et al.
; TITLE OF INVENTION: METHODS AND REAGENTS FOR MODULATING
; FILE REFERENCE: 50013/004002
; CURRENT APPLICATION NUMBER: US/09/033,524B
; CURRENT FILING DATE: 1998-03-02
; PRIOR APPLICATION NUMBER: CA 2,198,988
; PRIOR FILING DATE: 1997-03-03
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 63
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-033-524B-6

Query Match      79.5%; Score 35; DB 2; Length 63;
Best Local Similarity 100.0%; Pred. No. 1.9;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 DVGNAEV 9
   |||||
Db 1 DVGNAEV 7

RESULT 7
US-09-902-540-9810
; Sequence 9810, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkie, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
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FILE REFERENCE: 38-10(15849)B
CURRENT APPLICATION NUMBER: US/09/902,540
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: 60/217,883
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 9810
LENGTH: 656
TYPE: PRT
ORGANISM: Myxococcus xanthus
US-09-902-540-9810

Query Match 79.5%; Score 35; DB 2; Length 656;
Best Local Similarity 77.8%; Pred. No. 29;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 KLDVGNAEV 9
Db 479 KVDVGNAPV 487

RESULT 8

US-09-252-991A-19989
Sequence 19989, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 19989
LENGTH: 352
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-19989

Query Match 77.3%; Score 34; DB 2; Length 352;
Best Local Similarity 87.5%; Pred. No. 24;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 LDVGNAEV 9
Db 257 LDVGHAEV 264

RESULT 9

US-09-252-991A-28507
Sequence 28507, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 28507
LENGTH: 435
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-28507

Query Match 77.3%; Score 34; DB 2; Length 435;
Best Local Similarity 66.7%; Pred. No. 30;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 KLDVGNAEV 9
Db 384 RLDVNGEL 392

RESULT 10

US-09-252-991A-32103
Sequence 32103, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 32103
LENGTH: 783
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32103

Query Match 75.0%; Score 33; DB 2; Length 783;
Best Local Similarity 55.6%; Pred. No. 1e+02;
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 KLDVGNAEV 9
Db 383 RLDIGTAEI 391

RESULT 11

US-08-483-534A-2
Sequence 2, Application US/08483534A
Patent No. 6013483
GENERAL INFORMATION:
APPLICANT: Coleman, Timothy A
APPLICANT: Rosen, Craig
TITLE OF INVENTION: Endothelial-Monocyte Activating
TITLE OF INVENTION: Polypeptide III
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESSEE: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA: US/08/483,534A
APPLICATION NUMBER: US/08/483,534A
FILING DATE: 07 JUN 95
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-464 (PF206)
TELECOMMUNICATION INFORMATION:

TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 168 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS:
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-08-483-534A-2

Query Match 72.7%; Score 32; DB 2; Length 168;
Best Local Similarity 75.0%; Pred. No. 28;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 KLDVGNAE 8
|:|||||
Db 31 KIDVGEAE 38

RESULT 12

US-08-972-301-2
Sequence 2, Application US/08972301
Patent No. 6864226
GENERAL INFORMATION:
APPLICANT: Coleman, Timothy A.
APPLICANT: Rosen, Craig A.
TITLE OF INVENTION: Endothelial Monocyte Activating
TITLE OF INVENTION: Polypeptide III
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville,
STATE: MD
COUNTRY: USA
ZIP: 20850

COMPUTER READABLE FORM: disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/972,301
FILING DATE: 18-NOV-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/483,534
FILING DATE: 07-JUN-1995

ATTORNEY/AGENT INFORMATION:
NAME: Marks, Michelle S.
REGISTRATION NUMBER: 41,971
REFERENCE/DOCKET NUMBER: PF206D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-309-8504
TELEFAX: 301-309-8439
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 168 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

US-08-972-301-2
Query Match 72.7%; Score 32; DB 2; Length 168;
Best Local Similarity 75.0%; Pred. No. 28;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 KLDVGNAE 8
|:|||||
Db 31 KIDVGEAE 38

RESULT 13

US-03-813-718-6
Sequence 6, Application US/09813718
Patent No. 6903189
GENERAL INFORMATION:
APPLICANT: Schimmel, Paul
APPLICANT: Wakasugi, Keisuke
TITLE OF INVENTION: Human Aminoacyl-tRNA Synthetase Polypeptides Useful For
TITLE OF INVENTION: The Regulation of Angiogenesis
FILE REFERENCE: 00-221
CURRENT APPLICATION NUMBER: US/09/813,718
CURRENT FILING DATE: 2001-03-21
NUMBER OF SEQ ID NOS: 58
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 6
LENGTH: 178
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: human Tyrrs
OTHER INFORMATION: carboxyl-terminal domain in pET20B
US-09-813-718-6

Query Match 72.7%; Score 32; DB 2; Length 178;
Best Local Similarity 75.0%; Pred. No. 30;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 KLDVGNAE 8
|:|||||
Db 33 KIDVGEAE 40

RESULT 14

US-09-949-016-7889
Sequence 7889, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7889
LENGTH: 215
TYPE: PRT
ORGANISM: Human
US-09-949-016-7889

Query Match 72.7%; Score 32; DB 2; Length 215;
Best Local Similarity 66.7%; Pred. No. 37;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 KLDVGNAEV 9
|:|||||
Db 18 KMDVGSKEV 26

RESULT 15

US-09-134-000C-4313
Sequence 4313, Application US/09134000C
Patent No. 6617156
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO

; TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4313
; LENGTH: 275
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-134-000C-4313

Query Match 72.7%; Score 32; DB 2; Length 275;
Best Local Similarity 66.7%; Pred. No. 49;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 1 KLDVGNAEV 9
Db 74 KLDVNNARI 82

Search completed: February 7, 2006, 12:49:36
Job time : 21.4894 secs

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GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: February 7, 2006, 13:34:34 ; Search time 64.8191 Seconds
(without alignments)
58.015 Million cell updates/sec

Title: US-10-006-177A-3
Perfect score: 44
Sequence: 1 KLDVGNAEV 9

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA Main:
1: /cgn2_6/ptodata/1/pubpaa/us07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/us08_PUBCOMB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/us09_PUBCOMB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/us10A_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/us10B_PUBCOMB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/us11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	44	100.0	9	4 US-10-006-177-3	Sequence 3, Appli
2	44	100.0	87	4 US-10-408-765A-2451	Sequence 2451, Ap
3	44	100.0	123	5 US-10-450-763-58558	Sequence 58558, A
4	44	100.0	291	3 US-09-833-790-433	Sequence 433, App
5	44	100.0	313	4 US-10-094-749-3232	Sequence 3232, Ap
6	36	81.8	245	4 US-10-205-194-99	Sequence 99, Appl
7	36	81.8	715	4 US-10-424-599-209081	Sequence 209081,
8	34	77.3	250	4 US-10-425-115-235635	Sequence 235635,
9	34	77.3	275	4 US-10-282-122A-66155	Sequence 66155, A
10	33	75.0	95	4 US-10-767-701-39751	Sequence 39751, A
11	33	75.0	460	5 US-11-923-960-23	Sequence 23, Appl
12	33	75.0	460	6 US-11-097-143-15579	Sequence 15579, A
13	33	75.0	839	6 US-11-097-143-16410	Sequence 16410, A
14	33	75.0	991	4 US-10-307-817-590	Sequence 590, App
15	33	75.0	1108	4 US-10-437-963-149563	Sequence 149563,
16	32	72.7	73	4 US-10-425-115-227020	Sequence 227020,
17	32	72.7	124	4 US-10-425-114-45099	Sequence 45099, A
18	32	72.7	162	4 US-10-425-114-69358	Sequence 69358, A
19	32	72.7	168	5 US-10-910-403-2	Sequence 2, Appli
20	32	72.7	171	4 US-10-282-122A-71353	Sequence 71353, A
21	32	72.7	178	3 US-09-813-718-6	Sequence 6, Appli
22	32	72.7	178	4 US-10-240-532-2	Sequence 6, Appli
23	32	72.7	178	4 US-10-240-527A-6	Sequence 6, Appli
24	32	72.7	216	3 US-09-925-302-482	Sequence 482, App
25	32	72.7	216	3 US-09-925-302-482	Sequence 482, App
26	32	72.7	259	4 US-10-437-963-159595	Sequence 159595,
27	32	72.7	275	4 US-10-424-599-167960	Sequence 167960,

28	32	72.7	277	4 US-10-425-115-296154	Sequence 296154,
29	32	72.7	301	3 US-09-919-039-132	Sequence 132, App
30	32	72.7	301	5 US-10-858-412-235	Sequence 235, App
31	32	72.7	326	4 US-10-425-115-202868	Sequence 202868,
32	32	72.7	341	4 US-10-437-963-131112	Sequence 131112,
33	32	72.7	351	5 US-10-858-412-234	Sequence 234, App
34	32	72.7	388	4 US-10-282-122A-67408	Sequence 67408, A
35	32	72.7	441	5 US-10-739-930-11049	Sequence 11049, A
36	32	72.7	456	4 US-10-264-213-179	Sequence 179, App
37	32	72.7	466	4 US-10-437-963-119990	Sequence 119990,
38	32	72.7	528	5 US-10-370-715B-372	Sequence 372, App
39	32	72.7	534	4 US-10-369-433-22005	Sequence 22005, A
40	32	72.7	536	3 US-09-813-718-2	Sequence 2, Appli
41	32	72.7	536	4 US-10-240-532-2	Sequence 2, Appli
42	32	72.7	536	4 US-10-240-527A-2	Sequence 2, Appli
43	32	72.7	556	4 US-10-389-647-625	Sequence 625, App
44	32	72.7	622	4 US-10-425-115-344123	Sequence 344123,
45	32	72.7	632	4 US-10-437-963-146725	Sequence 146725,

ALIGNMENTS

RESULT 1
US-10-006-177-3
; Sequence 3, Application US/10006177
; Publication No. US20030165513A1
; GENERAL INFORMATION:
; APPLICANT: Ramakrishna, Venky
; APPLICANT: Ross, Mark
; APPLICANT: Philip, Ramila
; TITLE OF INVENTION: Cytotoxic T-Lymphocyte-Inducing Immunogens for Prevention, Treatm
; TITLE OF INVENTION: Diagnosis of Cancer
; FILE REFERENCE: 26747-35
; CURRENT APPLICATION NUMBER: US/10/006,177
; CURRENT FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: US/60/251,022
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: US/60/256,824
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Epitopic Peptide
US-10-006-177-3

Query Match 100.0%; Score 44; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.7e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KLDVGNAEV 9
|||||
Db 1 KLDVGNAEV 9

RESULT 2
US-10-408-765A-2451
; Sequence 2451, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; IDENTIFIED IN THE MITOCHONDRIAL PROTEOME

```
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2451
; LENGTH: 87
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-2451

Query Match      100.0%; Score 44; DB 4; Length 87;
Best Local Similarity 100.0%; Pred. No. 0.25;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KLDVGNAEV 9
      |||||
Db      27 KLDVGNAEV 35

RESULT 3
US-10-450-763-58558
; Sequence 58558, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 58558
; LENGTH: 123
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (39)..(93)
; OTHER INFORMATION: Kinesin light chain repeat proteins domain identified by
; OTHER INFORMATION: eMATRIX, accession number BL01160B, p-value=5.653e-09, raw score
; OTHER INFORMATION: 19.54
US-10-450-763-58558

Query Match      100.0%; Score 44; DB 5; Length 123;
Best Local Similarity 100.0%; Pred. No. 0.36;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KLDVGNAEV 9
      |||||
Db      43 KLDVGNAEV 51

RESULT 4
US-09-833-790-433
; Sequence 433, Application US/09833790
; Patent No. US20020068288A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Secrist, Heather
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Indrias, Carol Y.
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.512

; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2451
; LENGTH: 87
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-2451

Query Match      100.0%; Score 44; DB 4; Length 87;
Best Local Similarity 100.0%; Pred. No. 0.25;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KLDVGNAEV 9
      |||||
Db      27 KLDVGNAEV 35

RESULT 3
US-10-450-763-58558
; Sequence 58558, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 58558
; LENGTH: 123
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (39)..(93)
; OTHER INFORMATION: Kinesin light chain repeat proteins domain identified by
; OTHER INFORMATION: eMATRIX, accession number BL01160B, p-value=5.653e-09, raw score
; OTHER INFORMATION: 19.54
US-10-450-763-58558

Query Match      100.0%; Score 44; DB 5; Length 123;
Best Local Similarity 100.0%; Pred. No. 0.36;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KLDVGNAEV 9
      |||||
Db      43 KLDVGNAEV 51

RESULT 4
US-09-833-790-433
; Sequence 433, Application US/09833790
; Patent No. US20020068288A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Secrist, Heather
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Indrias, Carol Y.
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.512

; CURRENT APPLICATION NUMBER: US/09/833,790
; CURRENT FILING DATE: 2001-04-11
; NUMBER OF SEQ ID NOS: 440
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 433
; LENGTH: 291
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-790-433

Query Match      100.0%; Score 44; DB 3; Length 291;
Best Local Similarity 100.0%; Pred. No. 0.95;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KLDVGNAEV 9
      |||||
Db      212 KLDVGNAEV 220

RESULT 5
US-10-094-749-3232
; Sequence 3232, Application US/10094749
; Publication No. US20030219741A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOMYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: NOVEL FULL-LENGTH cDNA
; FILE REFERENCE: 084335/0160
; CURRENT APPLICATION NUMBER: US/10/094,749
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/350,435
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: JP 2001-328381
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 3232
; LENGTH: 313
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-094-749-3232

Query Match      100.0%; Score 44; DB 4; Length 313;
Best Local Similarity 100.0%; Pred. No. 1;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KLDVGNAEV 9
      |||||
Db      234 KLDVGNAEV 242

RESULT 6
US-10-205-194-99
; Sequence 99, Application US/10205194
; Publication No. US20030134301A1
; GENERAL INFORMATION:
; APPLICANT: Warner-Lambert Company
```

APPLICANT: Lee, Kevin
APPLICANT: Dixon, Alistair
APPLICANT: Brooksbank, Robert
APPLICANT: Pinnock, Robert
TITLE OF INVENTION: Identification and Use of Molecules Implicated in Pain
FILE REFERENCE: WL-A-018201
CURRENT APPLICATION NUMBER: US/10/205,194
CURRENT FILING DATE: 5200-07-24
PRIOR APPLICATION NUMBER: GB 0118354.0
PRIOR FILING DATE: 2001-07-27
NUMBER OF SEQ ID NOS: 177
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 99
LENGTH: 245
TYPE: PRT
ORGANISM: Mus musculus
FEATURE:
OTHER INFORMATION: BAP31
US-10-205-194-99

Query Match 81.8%; Score 36; DB 4; Length 245;
Best Local Similarity 66.7%; Pred. No. 37;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KLDVGNAEV 9
Db 167 KLDIGNTEM 175

RESULT 7
US-10-424-599-209081
Sequence 209081, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
APPLICANT: La Rosa Thomas J
APPLICANT: Kovalic David K
APPLICANT: Zhou Yihua
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53223)B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 209081
LENGTH: 715
TYPE: PRT
ORGANISM: Glycine max
FEATURE:
NAME/KEY: unsure
LOCATION: (1)..(715)
OTHER INFORMATION: unsure at all Xaa locations
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT3847_30828C.1.pap
US-10-424-599-209081

Query Match 81.8%; Score 36; DB 4; Length 715;
Best Local Similarity 87.5%; Pred. No. 1.2e+02;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 2 LDVGNAEV 9
Db 127 VDVGNAEV 134

RESULT 8
US-10-425-115-235635
Sequence 235635, Application US/10425115
Publication No. US20040214272A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
TITLE OF INVENTION: Plants
FILE REFERENCE: 38-21(53222)B
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 369326
SEQ ID NO 235635
LENGTH: 250
TYPE: PRT
ORGANISM: Zea mays
FEATURE:
OTHER INFORMATION: Clone ID: MRT4577_146484C.1.pap
US-10-425-115-235635

Query Match 77.3%; Score 34; DB 4; Length 250;
Best Local Similarity 66.7%; Pred. No. 1e+02;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KLDVGNAEV 9
Db 86 ELDVGNSEL 94

RESULT 9
US-10-282-122A-66155
Sequence 66155, Application US/10282122A
Publication No. US20040029129A1
GENERAL INFORMATION:
APPLICANT: Wang, Liangsu
APPLICANT: Zamudio, Carlos
APPLICANT: Malone, Cheryl
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Kari
APPLICANT: Zyskind, Judith
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John
APPLICANT: Carr, Grant
APPLICANT: Yamamoto, Robert
APPLICANT: Forsyth, R.
APPLICANT: Xu, H.
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: ELITRA.034A
CURRENT APPLICATION NUMBER: US/10/282,122A
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/230,347
PRIOR FILING DATE: 2000-09-09
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
SEQ ID NO 66155
LENGTH: 275
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-10-282-122A-66155

Query Match 77.3%; Score 34; DB 4; Length 275;
Best Local Similarity 66.7%; Pred. No. 1.1e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 KLDVGNAEV 9
DB 224 RLDVGNEL 232

RESULT 10
US-10-767-701-39751
; Sequence 39751, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 39751
; LENGTH: 95
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28MAY03-C29032_1.pep
US-10-767-701-39751

Query Match 75.0%; Score 33; DB 4; Length 95;
Best Local Similarity 66.7%; Pred. No. 55;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 KLDVGNAEV 9
DB 67 KLEPGNAEI 75

RESULT 11
US-10-923-960-23
; Sequence 23, Application US/10923960
; Publication No. US20050019890A1
; GENERAL INFORMATION:
; APPLICANT: Croce, Carlo
; FILE REFERENCE: TJU-2510
; CURRENT APPLICATION NUMBER: US/10/923,960
; CURRENT FILING DATE: 2004-08-23
; PRIOR APPLICATION NUMBER: US/09/357,675
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/093,350
; PRIOR FILING DATE: 1998-07-20
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 23
; LENGTH: 460
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-10-923-960-23

Query Match 75.0%; Score 33; DB 5; Length 460;
Best Local Similarity 66.7%; Pred. No. 3.2e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 KLDVGNAEV 9
DB 269 ELDIGTAEV 277

RESULT 12

US-11-097-143-15579
; Sequence 15579, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15579
; LENGTH: 460
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-15579

Query Match 75.0%; Score 33; DB 6; Length 460;
Best Local Similarity 66.7%; Pred. No. 3.2e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 KLDVGNAEV 9
DB 269 ELDIGTAEV 277

RESULT 13
US-11-097-143-16410
; Sequence 16410, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637

; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16410
; LENGTH: 839
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-16410

Query Match 75.0%; Score 33; DB 6; Length 839;
Best Local Similarity 55.6%; Pred. No. 6.2e+02;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 KLDVGNNAEV 9
: : : : :
Db 65 EVDIGNSEV 73

RESULT 14
US-10-307-817-590
; Sequence 590, Application US/10307817
; Publication No. US20040058338A1
; GENERAL INFORMATION:
; APPLICANT: Agee et al.
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-502C
; CURRENT APPLICATION NUMBER: US/10/307,817
; CURRENT FILING DATE: 2002-12-02
; NUMBER OF SEQ ID NOS: 682
; SOFTWARE: Curaseqlist version 0.1
; SEQ ID NO 590
; LENGTH: 991
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-307-817-590

Query Match 75.0%; Score 33; DB 4; Length 991;
Best Local Similarity 66.7%; Pred. No. 7.5e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 KLDVGNNAEV 9
: : : : :
Db 452 KMNVGNTVEV 460

RESULT 15
US-10-437-963-149563
; Sequence 149563, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(S3221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 149563
; LENGTH: 1108
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(1108)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:

; OTHER INFORMATION: Clone ID: PAT_MRT4530_49884C.1.pcp
US-10-437-963-149563

Query Match 75.0%; Score 33; DB 4; Length 1108;
Best Local Similarity 66.7%; Pred. No. 8.5e+02;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 KLDVGNNAEV 9
: : : : :
Db 1082 KLDGNGVEI 1090

Search completed: February 7, 2006, 13:47:28
Job time : 64.9191 secs

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OM protein - protein search, using sw model

Run on: February 7, 2006, 13:36:27 ; Search time 4.30851 Seconds
(without alignments)
24.478 Million cell updates/sec

Title: US-10-006-177A-3
Perfect score: 44
Sequence: 1 KLDVGNAEV 9

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 88029 seqs, 11718060 residues

Total number of hits satisfying chosen parameters: 88029

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA New:
1: /cgn2_6/prodata/2/pubpaa/US08_NEW_PUB.pep:
2: /cgn2_6/prodata/2/pubpaa/US06_NEW_PUB.pep:
3: /cgn2_6/prodata/2/pubpaa/US07_NEW_PUB.pep:
4: /cgn2_6/prodata/2/pubpaa/PCT_NEW_PUB.pep:
5: /cgn2_6/prodata/2/pubpaa/US03_NEW_PUB.pep:
6: /cgn2_6/prodata/2/pubpaa/US10_NEW_PUB.pep:
7: /cgn2_6/prodata/2/pubpaa/US11_NEW_PUB.pep:
8: /cgn2_6/prodata/2/pubpaa/US60_NEW_PUB.pep:

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	44	100.0	336	6 US-10-821-234-957	Sequence 957, App
2	37	84.1	282	6 US-10-467-657-6252	Sequence 6252, Ap
3	32	72.7	528	6 US-10-878-556A-77	Sequence 77, Appl
4	31	70.5	529	6 US-10-821-234-1168	Sequence 1168, Ap
5	30	68.2	313	7 US-11-156-084-272	Sequence 272, App
6	30	68.2	325	6 US-10-793-626-698	Sequence 698, App
7	30	68.2	325	6 US-10-793-626-1330	Sequence 1330, Ap
8	30	68.2	961	7 US-11-113-424-35	Sequence 35, Appl
9	30	68.2	1053	7 US-11-052-554A-151	Sequence 151, App
10	29	65.9	149	6 US-10-793-626-1890	Sequence 1890, Ap
11	29	65.9	294	7 US-11-156-084-283	Sequence 283, App
12	29	65.9	296	7 US-11-156-084-248	Sequence 248, App
13	29	65.9	296	7 US-11-156-084-285	Sequence 285, App
14	29	65.9	297	7 US-11-156-084-262	Sequence 262, App
15	29	65.9	1008	7 US-11-055-822-312	Sequence 312, App
16	29	65.9	1152	7 US-11-055-822-308	Sequence 308, App
17	29	65.9	1892	7 US-11-013-753-3	Sequence 3, Appli
18	29	65.9	1992	7 US-11-013-759-13	Sequence 13, Appl
19	29	65.9	2047	7 US-11-013-759-4	Sequence 4, Appli
20	29	65.9	2047	7 US-11-013-759-7	Sequence 7, Appli
21	29	65.9	3716	6 US-11-052-554A-141	Sequence 141, App
22	28	63.6	143	6 US-10-467-657-8684	Sequence 8684, Ap
23	28	63.6	207	6 US-10-878-556A-93	Sequence 93, Appl
24	28	63.6	294	7 US-11-156-084-188	Sequence 188, App
25	28	63.6	309	7 US-11-156-084-306	Sequence 306, App

ALIGNMENTS

RESULT 1

US-10-821-234-957
; Sequence 957, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821.234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 957
; LENGTH: 336
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-957

Query Match 100.0%; Score 44; DB 6; Length 336;
Best Local Similarity 100.0%; Pred. No. 0.041;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KLDVGNAEV 9
DB 257 KLDVGNAEV 265

RESULT 2

US-10-467-657-6252
; Sequence 6252, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12

; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 6252
; LENGTH: 282
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-6252

Query Match 84.1%; Score 37; DB 6; Length 282;
Best Local Similarity 66.7%; Pred. No. 1;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 KLDVGNAEV 9
Db 110 RLDIGNADV 118
:|:|:|:|:

RESULT 3
US-10-878-556A-77
; Sequence 77, Application US/10878556A
; Publication No. US20050266399A1
; GENERAL INFORMATION:
; APPLICANT: Hoffmann La-Roche Inc.
; TITLE OF INVENTION: HCV regulated protein expression
; FILE REFERENCE: 21762
; CURRENT APPLICATION NUMBER: US/10/878,556A
; CURRENT FILING DATE: 2004-06-28
; NUMBER OF SEQ ID NOS: 199
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 77
; LENGTH: 528
; TYPE: PRT
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: sw_hum/syy_human
; DATABASE ENTRY DATE: 1996-10-01
US-10-878-556A-77

Query Match 72.7%; Score 32; DB 6; Length 528;
Best Local Similarity 75.0%; Pred. No. 24;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 KLDVGNAE 8
Db 391 KIDVGAE 398
|:|:|:|:

RESULT 4
US-10-821-234-1168
; Sequence 1168, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1168
; LENGTH: 529
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1168

Query Match 70.5%; Score 31; DB 6; Length 529;
Best Local Similarity 100.0%; Pred. No. 40;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KLDVGN 6
Db 259 KLDVGN 264
|:|:|:|:

RESULT 5
US-11-156-084-272
; Sequence 272, Application US/11156084
; Publication No. US20060010515A1
; GENERAL INFORMATION:
; APPLICANT: Monsanto Technology LLC
; TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to agronomically interesting phenotypes
; FILE REFERENCE: (38-21)
; CURRENT APPLICATION NUMBER: US/11/156,084
; CURRENT FILING DATE: 2005-06-17
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 272
; LENGTH: 313
; TYPE: PRT
; ORGANISM: Desulfotobacterium hafniense
US-11-156-084-272

Query Match 68.2%; Score 30; DB 7; Length 313;
Best Local Similarity 62.5%; Pred. No. 36;
Matches 5; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 KLDVGNAE 8
Db 41 KLDIGSAK 48
|:|:|:|:

RESULT 6
US-10-793-626-698
; Sequence 698, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PUS480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 698
; LENGTH: 325
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-698

Query Match 68.2%; Score 30; DB 6; Length 325;
Best Local Similarity 55.6%; Pred. No. 37;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 KLDVGNAEV 9
Db 190 KIDIGKANV 198
|:|:|:|:

RESULT 7
US-10-793-626-1330
; Sequence 1330, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS

FILE REFERENCE: PU3480US
CURRENT APPLICATION NUMBER: US/10/793,626
CURRENT FILING DATE: 2004-03-04
PRIOR APPLICATION NUMBER: 60/164,258
PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 4472
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1330
LENGTH: 325
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: synthetic
US-10-793-626-1330

Query Match 68.2%; Score 30; DB 6; Length 325;
Best Local Similarity 55.6%; Pred. No. 37;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 KLDVGNAEV 9
|:|:|:|
Db 190 KIDIGKANV 198

RESULT 8
US-11-113-424-35
Sequence 35, Application US/11113424
Publication No. US20050260713A1
GENERAL INFORMATION:
APPLICANT: Gangolli et al.
TITLE OF INVENTION: Polypeptides and Nucleic Acids Encoding Same
FILE REFERENCE: 21402-225
CURRENT APPLICATION NUMBER: US/11/113,424
CURRENT FILING DATE: 2005-04-21
PRIOR APPLICATION NUMBER: 60/256,704
PRIOR FILING DATE: 2000-12-19
PRIOR APPLICATION NUMBER: 60/311,590
PRIOR FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: 60/257,314
PRIOR FILING DATE: 2000-12-20
PRIOR APPLICATION NUMBER: 60/311,613
PRIOR FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: 60/315,617
PRIOR FILING DATE: 2001-08-29
PRIOR APPLICATION NUMBER: 60/307,506
PRIOR FILING DATE: 2001-07-24
PRIOR APPLICATION NUMBER: 60/322,358
PRIOR FILING DATE: 2001-09-14
PRIOR APPLICATION NUMBER: 60/294,075
PRIOR FILING DATE: 2001-05-29
PRIOR APPLICATION NUMBER: 60/288,153
PRIOR FILING DATE: 2001-05-02
NUMBER OF SEQ ID NOS: 190
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 35
LENGTH: 961
TYPE: PRT
ORGANISM: Mus musculus
US-11-113-424-35

Query Match 68.2%; Score 30; DB 7; Length 961;
Best Local Similarity 75.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 KLDVGNAE 8
|:|:|:|
Db 950 KLGIGNAE 957

RESULT 9
US-11-052-554A-151
Sequence 151, Application US/11052554A

Publication No. US20050288866A1
GENERAL INFORMATION:
APPLICANT: Sachdeva, et al.
TITLE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE
TITLE OF INVENTION: PROTEINS OF THERAPEUTIC POTENTIAL
FILE REFERENCE: 30853/40359A
CURRENT APPLICATION NUMBER: US/11/052,554A
CURRENT FILING DATE: 2005-02-07
PRIOR APPLICATION NUMBER: US 60/589,227
PRIOR FILING DATE: 2004-07-20
PRIOR APPLICATION NUMBER: IN 173/DEL/2004
PRIOR FILING DATE: 2004-02-06
NUMBER OF SEQ ID NOS: 763
SOFTWARE: PatentIn version 3.3
SEQ ID NO 151
LENGTH: 1053
TYPE: PRT
ORGANISM: Mycobacterium tuberculosis H37Rv
US-11-052-554A-151

Query Match 68.2%; Score 30; DB 7; Length 1053;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 LDVGNA 7
|:|:|:|
Db 374 LDVGNA 379

RESULT 10
US-10-793-626-1890
Sequence 1890, Application US/10793626
Publication No. US20050255478A1
GENERAL INFORMATION:
APPLICANT: KIMMERLY, WILLIAM JOHN
TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
FILE REFERENCE: PU3480US
CURRENT APPLICATION NUMBER: US/10/793,626
CURRENT FILING DATE: 2004-03-04
PRIOR APPLICATION NUMBER: 60/164,258
PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 4472
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1890
LENGTH: 149
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: synthetic
US-10-793-626-1890

Query Match 65.9%; Score 29; DB 6; Length 149;
Best Local Similarity 83.3%; Pred. No. 25;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 KLDVGN 6
|:|:|:|
Db 29 KMDVGN 34

RESULT 11
US-11-156-084-283
Sequence 283, Application US/11156084
Publication No. US20060010515A1
GENERAL INFORMATION:
APPLICANT: Monsanto Technology LLC
TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to
TITLE OF INVENTION: agronomically interesting phenotypes
FILE REFERENCE: (38-21)
CURRENT APPLICATION NUMBER: US/11/156,084
CURRENT FILING DATE: 2005-06-17
NUMBER OF SEQ ID NOS: 364

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; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 283
; LENGTH: 294
; TYPE: PRT
; ORGANISM: Streptococcus mutans
US-11-156-084-283

Query Match      65.9%; Score 29; DB 7; Length 294;
Best Local Similarity 62.5%; Pred. No. 54;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      1 KLDVGNAE 8
Db      42 KLDIGTAK 49

RESULT 12
US-11-156-084-248
; Sequence 248, Application US/11156084
; Publication No. US20060010515A1
; GENERAL INFORMATION:
; APPLICANT: Monsanto Technology LLC
; TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to
; FILE REFERENCE: (38-21)
; CURRENT APPLICATION NUMBER: US/11/156,084
; CURRENT FILING DATE: 2005-06-17
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 248
; LENGTH: 296
; TYPE: PRT
; ORGANISM: Streptococcus agalactiae
US-11-156-084-248

Query Match      65.9%; Score 29; DB 7; Length 296;
Best Local Similarity 62.5%; Pred. No. 55;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      1 KLDVGNAE 8
Db      43 KLDIGTAK 50

RESULT 13
US-11-156-084-285
; Sequence 285, Application US/11156084
; Publication No. US20060010515A1
; GENERAL INFORMATION:
; APPLICANT: Monsanto Technology LLC
; TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to
; FILE REFERENCE: (38-21)
; CURRENT APPLICATION NUMBER: US/11/156,084
; CURRENT FILING DATE: 2005-06-17
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 285
; LENGTH: 296
; TYPE: PRT
; ORGANISM: Streptococcus agalactiae
US-11-156-084-285

Query Match      65.9%; Score 29; DB 7; Length 296;
Best Local Similarity 62.5%; Pred. No. 55;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      1 KLDVGNAE 8
Db      43 KLDIGTAK 50

RESULT 14
US-11-156-084-262
; Sequence 262, Application US/11156084
; Publication No. US20060010515A1
; GENERAL INFORMATION:
; APPLICANT: Monsanto Technology LLC
; TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to
; FILE REFERENCE: (38-21)
; CURRENT APPLICATION NUMBER: US/11/156,084
; CURRENT FILING DATE: 2005-06-17
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 262
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Leuconostoc mesenteroides
US-11-156-084-262

Query Match      65.9%; Score 29; DB 7; Length 297;
Best Local Similarity 75.0%; Pred. No. 55;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      2 LDVGNAEV 9
Db      42 LDVGTAKEV 49

RESULT 15
US-11-055-822-312
; Sequence 312, Application US/11055822
; Publication No. US20050260707A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
; FILE REFERENCE: BGI-121PCN
; CURRENT APPLICATION NUMBER: US/11/055,822
; CURRENT FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: 09/606,740
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/141,031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 60/142,101
; PRIOR FILING DATE: 1999-07-02
; PRIOR APPLICATION NUMBER: 60/148,613
; PRIOR FILING DATE: 1999-08-12
; PRIOR APPLICATION NUMBER: 60/187,970
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: DE 19930476.9
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931415.2
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931418.7
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931419.5
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931420.9
; PRIOR FILING DATE: 1999-07-08
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1158
; SEQ ID NO 312
; LENGTH: 1008
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (181)..(182)
; OTHER INFORMATION: Xaa = any amino acid
; FEATURE:
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; NAME/KEY: VARIANT
; LOCATION: 183
; OTHER INFORMATION: Xaa = Phe, Leu, Ile, or Val
US-11-055-822-312

Query Match      65.9%; Score 29; DB 7; Length 1008;
Best Local Similarity 75.0%; Pred. No. 2.2e+02;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 LDVGNAEV 9
   :|||||
Db 896 VDVGNAYV 903

Search completed: February 7, 2006, 13:48:18
Job time : 4.40851 secs

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OM protein - protein search, using sw model

Run on: February 7, 2006, 12:45:47 ; Search time 20.4894 Seconds
(without alignments)
36.315 Million cell updates/sec

Title: US-10-006-177A-4
Perfect score: 49
Sequence: 1 FLYDDNQRV 9

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	49	100.0	1531	2	US-09-976-594-203
2	43	87.8	142	1	US-08-470-179-30
3	37	75.5	324	2	US-09-270-767-43224
4	36	73.5	189	2	US-09-328-352-6722
5	36	73.5	1665	2	US-09-543-681A-4476
6	35	71.4	233	2	US-09-543-681A-4354
7	35	71.4	855	2	US-09-543-681A-7287
8	34	69.4	235	1	US-08-580-545B-10
9	34	69.4	235	2	US-09-262-653A-10
10	34	69.4	457	2	US-09-248-796A-23295
11	34	69.4	466	2	US-09-605-703B-2816
12	34	69.4	737	2	US-09-902-540-16346
13	33	67.3	64	1	US-08-765-179B-19
14	33	67.3	108	1	US-08-259-372A-10
15	33	67.3	108	1	US-08-468-671-10
16	33	67.3	108	2	US-09-025-769B-20
17	33	67.3	108	2	US-09-490-070A-20
18	33	67.3	108	2	US-09-490-153-20
19	33	67.3	108	2	US-09-490-324-20
20	33	67.3	109	2	US-09-157-370-5
21	33	67.3	113	2	US-09-377-285B-65
22	33	67.3	113	2	US-10-192-381-65
23	33	67.3	130	2	US-09-270-767-61055
24	33	67.3	261	2	US-09-902-540-16311
25	33	67.3	522	2	US-08-894-818B-3
26	33	67.3	522	2	US-09-445-472-4
27	33	67.3	522	2	US-10-090-624-4

28	33	67.3	522	2	US-09-841-553-3	Sequence 3, Appli
29	33	67.3	654	2	US-08-894-818B-35	Sequence 35, Appl
30	33	67.3	654	2	US-09-445-472-16	Sequence 16, Appl
31	33	67.3	654	2	US-10-090-624-16	Sequence 16, Appl
32	33	67.3	654	2	US-09-841-553-35	Sequence 35, Appl
33	33	67.3	684	2	US-09-823-240A-9	Sequence 9, Appli
34	33	67.3	715	2	US-09-252-991A-27965	Sequence 27965, A
35	33	67.3	902	1	US-08-701-846-2	Sequence 2, Appli
36	32	65.3	109	2	US-09-025-769B-32	Sequence 32, Appl
37	32	65.3	109	2	US-09-025-769B-51	Sequence 51, Appl
38	32	65.3	109	2	US-09-490-070A-32	Sequence 32, Appl
39	32	65.3	109	2	US-09-490-070A-51	Sequence 51, Appl
40	32	65.3	109	2	US-09-490-153-32	Sequence 32, Appl
41	32	65.3	109	2	US-09-490-153-51	Sequence 51, Appl
42	32	65.3	109	2	US-09-490-324-32	Sequence 32, Appl
43	32	65.3	109	2	US-09-490-324-51	Sequence 51, Appl
44	32	65.3	234	2	US-09-372-425A-4	Sequence 4, Appli
45	32	65.3	242	2	US-08-884-569A-5	Sequence 5, Appli

ALIGNMENTS

RESULT 1
US-09-976-594-203
; Sequence 203, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 203
; LENGTH: 1531
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 1867417CD1
US-09-976-594-203

Query Match 100.0%; Score 49; DB 2; Length 1531;
Best Local Similarity 100.0%; Pred. No. 1.2;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FLYDDNQRV 9
Db 828 FLYDDNQRV 836

RESULT 2
US-08-470-179-30
; Sequence 30, Application US/08470179
; Patent No. 5645994
; GENERAL INFORMATION:
; APPLICANT: Huang Ph.D, Wai Mun
; TITLE OF INVENTION: Method and Compositions for
; TITLE OF INVENTION: Identification of Species in a Sample
; NUMBER OF SEQUENCES: 207
; CORRESPONDENCE ADDRESS:
; ADDRESS: Trask, Britt and Rossa
; STREET: P.O. Box 2550
; CITY: Salt Lake City
; STATE: Utah
; COUNTRY: USA
; ZIP: 84110
; COMPUTER READABLE FORM:

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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/470,179
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sweigert Ph.D, Susan E.
; REGISTRATION NUMBER: 36,289
; REFERENCE/DOCKET NUMBER: 2601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 801-532-1922
; TELEFAX: 801-531-9168
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 142 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: not relevant
; MOLECULE TYPE: protein
; HYPOTHEetical: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens sapiens
; US-08-470-179-30

Query Match 87.8%; Score 43; DB 1; Length 142;
Best Local Similarity 100.0%; Pred. No. 1.3;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 LYDDNQRV 9
Db 110 LYDDNQRV 117

RESULT 3
US-09-270-767-43224
; Sequence 43224, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43224
; LENGTH: 324
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; US-09-270-767-43224

Query Match 75.5%; Score 37; DB 2; Length 324;
Best Local Similarity 77.8%; Pred. No. 39;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 FLYDDNQRV 9
Db 59 YLTDNQRV 67

RESULT 4
US-09-328-352-6722
; Sequence 6722, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
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; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 6722
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
; US-09-328-352-6722

Query Match 73.5%; Score 36; DB 2; Length 189;
Best Local Similarity 85.7%; Pred. No. 34;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 3 YDDNQRV 9
Db 108 YDDNQV 114

RESULT 5
US-09-543-681A-4476
; Sequence 4476, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 4476
; LENGTH: 1665
; TYPE: PRT
; ORGANISM: Proteus mirabilis
; US-09-543-681A-4476

Query Match 73.5%; Score 36; DB 2; Length 1665;
Best Local Similarity 66.7%; Pred. No. 3.2e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 FLYDDNQRV 9
Db 723 FYDDYQRM 731

RESULT 6
US-09-543-681A-4354
; Sequence 4354, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 4354
; LENGTH: 233
; TYPE: PRT
; ORGANISM: Proteus mirabilis
; US-09-543-681A-4354

Query Match 71.4%; Score 35; DB 2; Length 233;
Best Local Similarity 75.0%; Pred. No. 65;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 FLYDDNQRV 8
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DB 45 FVYDNLNR 52

Query Match 71.4%; Score 35; DB 2; Length 855;
Best Local Similarity 62.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 FLYDDNQR 8
DB 487 YLYEDNQR 494

RESULT 8
US-08-580-545B-10
; Sequence 10, Application US/08580545B
; Patent No. 5932713
; GENERAL INFORMATION:
; APPLICANT: Yoshihisa, Kasukabe
; APPLICANT: Koichi, Fujisawa
; APPLICANT: Susumu, Nishiguchi
; APPLICANT: Yoshihiko, Maekawa
; APPLICANT: Randy, Allen
; TITLE OF INVENTION: COTTON FIBER TISSUE-SPECIFIC GENES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 601 Thirteenth Street, NW
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/580,545B
; FILING DATE:
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Bretschneider, Barry E.
; REGISTRATION NUMBER: 28,055
; REFERENCE/DOCKET NUMBER: 04473/068001
; TELEPHONE: 202/783-2331
; TELEFAX: 202/783-2331
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 235 amino acids
; TYPE: amino acid
; TOPOLOGY: linear

Query Match 69.4%; Score 34; DB 2; Length 235;
Best Local Similarity 62.5%; Pred. No. 99;
Matches 5; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 FLYDDNQR 8
DB 121 FVYEENQR 128

RESULT 9
US-09-262-653A-10
; Sequence 10, Application US/09262653A
; Patent No. 6166294
; GENERAL INFORMATION:
; APPLICANT: Yoshihisa, Kasukabe
; APPLICANT: Koichi, Fujisawa
; APPLICANT: Susumu, Nishiguchi
; APPLICANT: Yoshihiko, Maekawa
; APPLICANT: Randy, Allen
; TITLE OF INVENTION: COTTON FIBER TISSUE-SPECIFIC GENES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 601 Thirteenth Street, NW
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/262,653A
; FILING DATE:
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Bretschneider, Barry E.
; REGISTRATION NUMBER: 28,055
; REFERENCE/DOCKET NUMBER: 04473/068001
; TELEPHONE: 202/783-5070
; TELEFAX: 202/783-2331
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 235 amino acids
; TYPE: amino acid
; TOPOLOGY: linear

Query Match 69.4%; Score 34; DB 1; Length 235;
Best Local Similarity 62.5%; Pred. No. 99;
Matches 5; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 FLYDDNQR 8
DB 121 FVYEENQR 128

RESULT 10
US-09-248-796A-23295
; Sequence 23295, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196,132

MOLECULE TYPE: protein
US-08-580-545B-10

Query Match 69.4%; Score 34; DB 1; Length 235;
Best Local Similarity 62.5%; Pred. No. 99;
Matches 5; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 FLYDDNQR 8
DB 121 FVYEENQR 128

RESULT 9
US-09-262-653A-10
; Sequence 10, Application US/09262653A
; Patent No. 6166294
; GENERAL INFORMATION:
; APPLICANT: Yoshihisa, Kasukabe
; APPLICANT: Koichi, Fujisawa
; APPLICANT: Susumu, Nishiguchi
; APPLICANT: Yoshihiko, Maekawa
; APPLICANT: Randy, Allen
; TITLE OF INVENTION: COTTON FIBER TISSUE-SPECIFIC GENES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 601 Thirteenth Street, NW
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/262,653A
; FILING DATE:
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Bretschneider, Barry E.
; REGISTRATION NUMBER: 28,055
; REFERENCE/DOCKET NUMBER: 04473/068001
; TELEPHONE: 202/783-5070
; TELEFAX: 202/783-2331
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 235 amino acids
; TYPE: amino acid
; TOPOLOGY: linear

Query Match 69.4%; Score 34; DB 2; Length 235;
Best Local Similarity 62.5%; Pred. No. 99;
Matches 5; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 FLYDDNQR 8
DB 121 FVYEENQR 128

RESULT 10
US-09-248-796A-23295
; Sequence 23295, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196,132

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; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 23295
; LENGTH: 457
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-23295

Query Match          69.4%; Score 34; DB 2; Length 457;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 LYDDNQ 7
Db      162 LYDDNQ 167

RESULT 11
US-09-605-703B-2816
; Sequence 2816, Application US/09605703B
; Patent No. 6962989
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Habernauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING NOVEL
; TITLE OF INVENTION: PROTEINS
; FILE REFERENCE: BGI-129CP
; CURRENT APPLICATION NUMBER: US/09/605,703B
; PRIOR FILING DATE: 2000-06-27
; PRIOR APPLICATION NUMBER: 60/142,764
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: 60/152,318
; PRIOR FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 2934
; SEQ ID NO 2816
; LENGTH: 466
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-605-703B-2816

Query Match          69.4%; Score 34; DB 2; Length 466;
Best Local Similarity 75.0%; Pred. No. 2e+02;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      2 LYDDNQRV 9
Db      410 IYDDNWRV 417

RESULT 12
US-09-902-540-16346
; Sequence 16346, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkie, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825

; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 23295
; LENGTH: 457
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-16346

Query Match          69.4%; Score 34; DB 2; Length 737;
Best Local Similarity 55.6%; Pred. No. 3.2e+02;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY      1 FLYDDNQRV 9
Db      394 IYDDNQRV 402

RESULT 13
US-08-765-179B-19
; Sequence 19, Application US/08765179B
; Patent No. 5854027
; GENERAL INFORMATION:
; APPLICANT: STEIPE, Boris
; APPLICANT: STEINBACHER, Stefan
; TITLE OF INVENTION: PROCESS FOR MODIFYING THE STABILITY
; TITLE OF INVENTION: OF ANTIBODIES
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nikaido, Marmelstein, Murray & Oram LLP
; STREET: 655 Fifteenth Street N.W. Suite 330
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-5701
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/765,179B
; FILING DATE: 14-JAN-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP95/02626
; FILING DATE: 06-JUL-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE P 44 25 115.7
; FILING DATE: 15-JUL-1994
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 64 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-765-179B-19

Query Match          67.3%; Score 33; DB 1; Length 64;
Best Local Similarity 71.4%; Pred. No. 40;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      2 LYDDNQR 8
Db      17 IYDDNKR 23

RESULT 14
US-08-259-372A-10
; Sequence 10, Application US/08259372A
; Patent No. 5565354
; GENERAL INFORMATION:
; APPLICANT: Ostberg, Lars G.
; TITLE OF INVENTION: PRODUCTION OF HUMAN MONOCLONAL
; TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR HEPATITIS B SURFACE ANTIGEN
```


NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/259,372A
FILING DATE: 14-JUN-1994
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/871,426
FILING DATE: 21-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/676,036
FILING DATE: 27-MAR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/538,796
FILING DATE: 15-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/192,754
FILING DATE: 11-MAY-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/925,196
FILING DATE: 31-OCT-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/904,517
FILING DATE: 05-SEP-1986
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-50-7
TELEPHONE: (415) 326-2400
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 108 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-259-372A-10

Query Match 67.3%; Score 33; DB 1; Length 108;
Best Local Similarity 71.4%; Pred. No. 68;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 LYDDNQR 8
Db 47 VYDDNER 53

RESULT 15
US-08-468-671-10
Sequence 10, Application US/08468671
Patent No. 5648077
GENERAL INFORMATION:
APPLICANT: Ostberg, Lars G.
TITLE OF INVENTION: PRODUCTION OF HUMAN MONOCLONAL
TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR HEPATITIS B SURFACE ANTIGEN
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: CA

COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,671
FILING DATE: 06-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/259,372
FILING DATE: 14-JUN-1994
APPLICATION NUMBER: US 07/871,426
FILING DATE: 21-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/676,036
FILING DATE: 27-MAR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/538,796
FILING DATE: 15-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/192,754
FILING DATE: 11-MAY-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/925,196
FILING DATE: 31-OCT-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/904,517
FILING DATE: 05-SEP-1986
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-50-7
TELEPHONE: (415) 326-2400
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 108 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-468-671-10

Query Match 67.3%; Score 33; DB 1; Length 108;
Best Local Similarity 71.4%; Pred. No. 68;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 LYDDNQR 8
Db 47 VYDDNER 53

Search completed: February 7, 2006, 12:49:37
Job time : 21.4894 secs

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GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: February 7, 2006, 13:34:34 ; Search time 64.8191 Seconds
(without alignments)
58.015 Million cell updates/sec

Title: US-10-006-177A-4
Perfect score: 49
Sequence: 1 FLYDDNQRV 9

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA Main: *
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2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	49	100.0	9	US-10-006-177-4	Sequence 4, Appli
2	49	100.0	546	US-10-450-763-52754	Sequence 52754, A
3	49	100.0	990	US-10-087-192-477	Sequence 477, App
4	49	100.0	1083	US-10-087-192-480	Sequence 480, App
5	49	100.0	1139	US-10-450-763-52756	Sequence 52756, A
6	49	100.0	1526	US-10-471-758-2	Sequence 2, Appli
7	49	100.0	1531	US-09-876-889-347	Sequence 347, App
8	49	100.0	1531	US-09-998-598-2593	Sequence 2593, Ap
9	49	100.0	1531	US-10-171-311-222	Sequence 222, App
10	49	100.0	1531	US-10-301-822-211	Sequence 211, App
11	49	100.0	1531	US-10-435-696-46	Sequence 46, Appl
12	49	100.0	1531	US-10-723-860-2100	Sequence 2100, Ap
13	49	100.0	1531	US-10-645-756-42	Sequence 42, Appl
14	49	100.0	1531	US-10-756-149-5261	Sequence 5261, Ap
15	49	100.0	1531	US-10-745-237-268	Sequence 268, App
16	49	100.0	1621	US-10-296-115-1161	Sequence 1161, Ap
17	49	100.0	1626	US-10-408-765A-3017	Sequence 3017, Ap
18	49	100.0	1626	US-10-745-237-270	Sequence 270, App
19	40	81.6	816	US-10-369-493-5435	Sequence 5435, Ap
20	40	81.6	1520	US-10-369-493-5596	Sequence 5596, Ap
21	40	81.6	1520	US-10-369-493-5597	Sequence 5597, Ap
22	37	75.5	110	US-10-891-972-24	Sequence 24, Appl
23	37	75.5	110	US-10-891-972-34	Sequence 34, Appl
24	37	75.5	250	US-10-779-461-11	Sequence 11, Appl
25	37	75.5	251	US-10-779-461-51	Sequence 51, Appl
26	37	75.5	385	US-11-097-143-1551	Sequence 1551, Ap
27	37	75.5	617	US-10-437-963-162226	Sequence 162226,

ALIGNMENTS

RESULT 1

US-10-006-177-4
; Sequence 4, Application US/10006177
; Publication No. US20030165513A1
; GENERAL INFORMATION:
; APPLICANT: Ramakrishna, Venky
; APPLICANT: Ross, Mark
; APPLICANT: Philip, Ramila
; TITLE OF INVENTION: Cytotoxic T-Lymphocyte-Inducing Immunogens for Prevention, Treat
; TITLE OF INVENTION: Diagnosis of Cancer
; FILE REFERENCE: 26747-35
; CURRENT APPLICATION NUMBER: US/10/006,177
; CURRENT FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: US/60/251,022
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: US/60/256,824
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 4
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Epitopic Peptide
US-10-006-177-4

Query Match 100.0%; Score 49; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.7e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FLYDDNQRV 9
| | | | |
Db 1 FLYDDNQRV 9

RESULT 2

US-10-450-763-52754
; Sequence 52754, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIE3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31

Sequence 47619, A
Sequence 69066, A
Sequence 109620,
Sequence 10167, A
Sequence 3569, Ap
Sequence 295784,
Sequence 347738,
Sequence 53896, A
Sequence 20595, A
Sequence 47206, A
Sequence 9305, Ap
Sequence 68528, A
Sequence 189782,
Sequence 182919,
Sequence 33539, A
Sequence 50354, A
Sequence 35086, A
Sequence 284417,

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; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 52754
; LENGTH: 546
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (225)..(321)
; OTHER INFORMATION: DNA topoisomerase II proteins domain identified by eMATRIX,
; accession number BL001771, p-value=2.200e-21, raw score of 21.82
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (146)..(321)
; OTHER INFORMATION: DNA gyrase/topoisomerase IV, subunit A domain identified by
; OTHER INFORMATION: Pfam, accession name DNA_topoisoIV, E-value=2.4e-98, Pfam score
; OTHER INFORMATION: 313.3
US-10-450-763-52754

Query Match      100.0%; Score 49; DB 5; Length 546;
Best Local Similarity 100.0%; Pred. No. 0.9;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 FLYDDNQRV 9
Db      261 FLYDDNQRV 269

RESULT 3
US-10-087-192-477
; Sequence 477, Application US/10087192
; Publication No. US20020182586A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: CANCER
; FILE REFERENCE: 529452000122
; CURRENT APPLICATION NUMBER: US/10/087,192
; CURRENT FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 2059
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 477
; LENGTH: 990
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-087-192-477

Query Match      100.0%; Score 49; DB 4; Length 990;
Best Local Similarity 100.0%; Pred. No. 1.7;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 FLYDDNQRV 9
Db      289 FLYDDNQRV 297

RESULT 4
US-10-087-192-480
; Sequence 480, Application US/10087192
; Publication No. US20020182586A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: CANCER
; FILE REFERENCE: 529452000122
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; CURRENT APPLICATION NUMBER: US/10/087,192
; CURRENT FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 2059
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 480
; LENGTH: 1083
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-087-192-480

Query Match      100.0%; Score 49; DB 4; Length 1083;
Best Local Similarity 100.0%; Pred. No. 1.9;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 FLYDDNQRV 9
Db      671 FLYDDNQRV 679

RESULT 5
US-10-450-763-52756
; Sequence 52756, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 52756
; LENGTH: 1139
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (55)..(91)
; OTHER INFORMATION: DNA topoisomerase II proteins domain identified by eMATRIX,
; accession number BL00177H, p-value=3.647e-39, raw score of 21.42
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (239)..(707)
; OTHER INFORMATION: DNA gyrase/topoisomerase IV, subunit A domain identified by
; OTHER INFORMATION: Pfam, accession name DNA_topoisoIV, E-value=1.4e-186, Pfam score
; OTHER INFORMATION: 592.7
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(1139)
; OTHER INFORMATION: Xaa = X or * as defined in Table 2
US-10-450-763-52756

Query Match      100.0%; Score 49; DB 5; Length 1139;
Best Local Similarity 100.0%; Pred. No. 2;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 FLYDDNQRV 9
Db      352 FLYDDNQRV 360

RESULT 6
US-10-471-758-2
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; Sequence 2, Application US/10471758
; Publication No. US20040249574A1
; GENERAL INFORMATION:
; APPLICANT: Tishby, Naftali
; APPLICANT: Seldin, Yevgeny
; APPLICANT: Bejerano, Gill
; APPLICANT: Margalit, Hanah
; TITLE OF INVENTION: Markovian Domain Fingerprinting In Statistical Segmentation Of
; FILE REFERENCE: 26874
; CURRENT APPLICATION NUMBER: US/10/471,758
; CURRENT FILING DATE: 2003-09-26
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 1526
; TYPE: PRT
; ORGANISM: Cricetus longicaudatus
US-10-471-758-2

Query Match 100.0%; Score 49; DB 5; Length 1526;
Best Local Similarity 100.0%; Pred. No. 2.8;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FLYDDNQRV 9
| | | | |
Db 827 FLYDDNQRV 835

RESULT 7

US-09-876-889-347
; Sequence 347, Application US/09876889
; Patent No. US20020076715A1
; GENERAL INFORMATION:

; APPLICANT: Benson, Darin R.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR OVARIAN
; FILE REFERENCE: 210121.466C3
; CURRENT APPLICATION NUMBER: US/09/876,889
; CURRENT FILING DATE: 2001-06-06
; NUMBER OF SEQ ID NOS: 353
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 347
; LENGTH: 1531
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-876-889-347

Query Match 100.0%; Score 49; DB 3; Length 1531;
Best Local Similarity 100.0%; Pred. No. 2.8;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FLYDDNQRV 9
| | | | |
Db 828 FLYDDNQRV 836

RESULT 8

US-09-998-598-2593
; Sequence 2593, Application US/09998598
; Patent No. US2002015922A1
; GENERAL INFORMATION:

; APPLICANT: Stolk, John A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Chenault, Ruth A.
; APPLICANT: Meagher, Madelein Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.561
; CURRENT APPLICATION NUMBER: US/09/998,598

; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 2606
; SOFTWARE: Corixa Invention Disclosure Database
; SEQ ID NO 2593
; LENGTH: 1531
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-998-598-2593

Query Match 100.0%; Score 49; DB 3; Length 1531;
Best Local Similarity 100.0%; Pred. No. 2.8;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FLYDDNQRV 9
| | | | |
Db 828 FLYDDNQRV 836

RESULT 9

US-10-171-311-222
; Sequence 222, Application US/10171311
; Publication No. US20030087270A1
; GENERAL INFORMATION:

; APPLICANT: Schlegel, Robert
; APPLICANT: Chen, Yan
; APPLICANT: Zhao, Xumei
; APPLICANT: Monahan, John
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Glatt, Karen
; APPLICANT: Gannavarapu, Manjula
; APPLICANT: Hoerish, Sebastian
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY
; FILE REFERENCE: MRI-035
; CURRENT APPLICATION NUMBER: US/10/171,311
; CURRENT FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: US 60/298,159
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/298,155
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/335,936
; PRIOR FILING DATE: 2001-11-14
; NUMBER OF SEQ ID NOS: 238
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 222
; LENGTH: 1531
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-171-311-222

Query Match 100.0%; Score 49; DB 4; Length 1531;
Best Local Similarity 100.0%; Pred. No. 2.8;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FLYDDNQRV 9
| | | | |
Db 828 FLYDDNQRV 836

RESULT 10

US-10-301-822-211
; Sequence 211, Application US/10301822
; Publication No. US20030148410A1
; GENERAL INFORMATION:

; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Berger, Allison
; APPLICANT: Guillemette, Tracy L.
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Thibodeau, Stephen N.
; APPLICANT: Burgart, Lawrence J.

```
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF COLON CANCER
; FILE REFERENCE: MPM01-029P2RNM
; CURRENT APPLICATION NUMBER: US/10/301,822
; CURRENT FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 60/339,971
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: US 60/361,978
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/381,988
; PRIOR FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 211
; LENGTH: 1531
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-301-822-211

Query Match 100.0%; Score 49; DB 4; Length 1531;
Best Local Similarity 100.0%; Pred. No. 2.8;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FLYDDNQRV 9
Db 828 FLYDDNQRV 836

RESULT 11
US-10-435-696-46
; Sequence 46, Application US/10435696
; Publication No. US20040018525A1
; GENERAL INFORMATION:
; APPLICANT: Wirtz, Ralph
; APPLICANT: Munnes, Marc
; APPLICANT: Kallabis, Harald
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE PREDICTION, DIAGNOSIS, PROGNOSIS
; TITLE OF INVENTION: PREVENTION AND TREATMENT OF MALIGNANT NEOPLASIA
; FILE REFERENCE: Lea 36 108
; CURRENT APPLICATION NUMBER: US/10/435,696
; CURRENT FILING DATE: 2003-05-09
; PRIOR APPLICATION NUMBER: EP03003112.4
; PRIOR FILING DATE: 2003-02-13
; PRIOR APPLICATION NUMBER: EP02010291.9
; PRIOR FILING DATE: 2002-05-21
; NUMBER OF SEQ ID NOS: 314
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 46
; LENGTH: 1531
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-435-696-46

Query Match 100.0%; Score 49; DB 4; Length 1531;
Best Local Similarity 100.0%; Pred. No. 2.8;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FLYDDNQRV 9
Db 828 FLYDDNQRV 836

RESULT 12
US-10-723-860-2100
; Sequence 2100, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators
```

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; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2100
; LENGTH: 1531
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-723-860-2100

Query Match 100.0%; Score 49; DB 5; Length 1531;
Best Local Similarity 100.0%; Pred. No. 2.8;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FLYDDNQRV 9
Db 828 FLYDDNQRV 836

RESULT 13
US-10-645-756-42
; Sequence 42, Application US/10645756
; Publication No. US20050037010A1
; GENERAL INFORMATION:
; APPLICANT: Monahan, John
; APPLICANT: Zhao, Xumei
; APPLICANT: Chen, Yan
; APPLICANT: Glatt, Karen
; APPLICANT: Kamatkar, Shubhangi
; TITLE OF INVENTION: COMPOSITIONS, KITS AND METHODS FOR IDENTIFICATION,
; TITLE OF INVENTION: ASSESSMENT, PREVENTION, AND THERAPY OF CERVICAL
; TITLE OF INVENTION: CANCER
; FILE REFERENCE: MRI-062
; CURRENT APPLICATION NUMBER: US/10/645,756
; CURRENT FILING DATE: 2003-08-20
; PRIOR APPLICATION NUMBER: 60/404770
; PRIOR FILING DATE: 2002-08-20
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 42
; LENGTH: 1531
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-645-756-42

Query Match 100.0%; Score 49; DB 5; Length 1531;
Best Local Similarity 100.0%; Pred. No. 2.8;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FLYDDNQRV 9
Db 828 FLYDDNQRV 836

RESULT 14
US-10-756-149-5261
; Sequence 5261, Application US/10756149
; Publication No. US20050181375A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AND
; TITLE OF INVENTION: METHODS OF SCREENING FOR MODULATORS OF METASTATIC CANCER
; FILE REFERENCE: file
; CURRENT APPLICATION NUMBER: US/10/756,149
; CURRENT FILING DATE: 2004-01-12
; NUMBER OF SEQ ID NOS: 5818
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5261
; LENGTH: 1531
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; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-756-149-5261

Query Match 100.0%; Score 49; DB 5; Length 1531;
Best Local Similarity 100.0%; Pred. No. 2.8;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FLYDDNQRV 9
|||
Db 828 FLYDDNQRV 836

RESULT 15
US-10-745-237-268
; Sequence 268, Application US/10745237
; Publication No. US20050227301A1
; GENERAL INFORMATION:
; APPLICANT: Cyclacel Limited
; APPLICANT: Glover, David
; APPLICANT: Bell, Graham
; APPLICANT: Frenz, Lisa
; APPLICANT: Midgley, Carol
; TITLE OF INVENTION: Cell Cycle Progression Proteins
; FILE REFERENCE: P015819WO CYK
; CURRENT APPLICATION NUMBER: US/10/745,237
; CURRENT FILING DATE: 2003-12-23
; PRIOR APPLICATION NUMBER: US 60/439,123
; PRIOR FILING DATE: 2003-01-10
; PRIOR APPLICATION NUMBER: US 60/468,402
; PRIOR FILING DATE: 2003-05-06
; NUMBER OF SEQ ID NOS: 600
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 268
; LENGTH: 1531
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: P11388
US-10-745-237-268

Query Match 100.0%; Score 49; DB 5; Length 1531;
Best Local Similarity 100.0%; Pred. No. 2.8;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FLYDDNQRV 9
|||
Db 828 FLYDDNQRV 836

Search completed: February 7, 2006, 13:47:29
Job time : 65.9191 secs

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OM protein - protein search, using sw model

Run on: February 7, 2006, 13:36:27 ; Search time 4.30851 Seconds
(without alignments)
24.478 Million cell updates/sec

Title: US-10-006-177A-4

Perfect score: 49
Sequence: 1 FLYDDNQRV 9

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 88029 seqs, 11718060 residues

Total number of hits satisfying chosen parameters: 88029

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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4: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	49	100.0	1531	7	US-11-087-227-24
2	49	100.0	1531	7	US-11-186-284-211
3	33	67.3	98	7	US-11-084-554-203
4	33	67.3	98	7	US-11-136-250-203
5	33	67.3	108	6	US-10-834-397-20
6	33	67.3	109	7	US-11-102-621-4
7	33	67.3	110	6	US-10-982-440-40
8	33	67.3	110	6	US-10-982-440-42
9	33	67.3	110	6	US-10-982-440-58
10	33	67.3	258	7	US-11-054-515-1234
11	33	67.3	554	6	US-10-467-657-8240
12	32	65.3	109	6	US-10-834-397-32
13	32	65.3	109	6	US-10-834-397-51
14	32	65.3	230	7	US-11-055-822-1068
15	32	65.3	250	7	US-11-054-515-1540
16	32	65.3	259	7	US-11-054-515-1277
17	32	65.3	341	7	US-11-055-822-570
18	32	65.3	341	7	US-11-055-822-574
19	32	65.3	701	7	US-11-055-822-1066
20	31	63.3	400	6	US-10-467-657-7588
21	31	63.3	434	6	US-10-793-626-1456
22	31	63.3	431	6	US-10-793-626-30
23	31	63.3	557	6	US-10-793-626-1486
24	31	63.3	864	7	US-11-194-246-343
25	30	61.2	10	6	US-10-973-977-64

26	30	61.2	30	6	US-10-973-977-23	Sequence 23, Appl
27	30	61.2	252	7	US-11-054-515-1549	Sequence 1549, Ap
28	30	61.2	253	7	US-11-054-515-1227	Sequence 1227, Ap
29	30	61.2	320	6	US-10-467-657-2870	Sequence 2870, Ap
30	30	61.2	380	7	US-11-024-959-339	Sequence 339, App
31	30	61.2	605	6	US-10-689-742-140	Sequence 140, App
32	30	61.2	948	7	US-11-037-243-94	Sequence 94, Appl
33	29	59.2	61	6	US-10-467-657-8466	Sequence 8466, Ap
34	29	59.2	110	6	US-10-982-440-52	Sequence 52, Appl
35	29	59.2	244	7	US-11-054-515-1842	Sequence 1842, Ap
36	29	59.2	248	7	US-11-054-515-1273	Sequence 1273, Ap
37	29	59.2	252	7	US-11-054-515-1861	Sequence 1861, Ap
38	29	59.2	253	6	US-10-485-517-199	Sequence 199, App
39	29	59.2	327	6	US-10-467-657-2408	Sequence 2408, Ap
40	29	59.2	336	6	US-10-517-939-44	Sequence 44, Appl
41	29	59.2	376	6	US-10-793-626-490	Sequence 490, App
42	29	59.2	376	6	US-10-793-626-2260	Sequence 2260, Ap
43	29	59.2	571	6	US-10-793-626-118	Sequence 118, App
44	29	59.2	629	6	US-10-873-528-125	Sequence 125, App
45	29	59.2	659	6	US-10-467-657-6006	Sequence 6006, Ap

ALIGNMENTS

RESULT 1
US-11-087-227-24
; Sequence 24, Application US/11087227
; Publication No. US20050260566A1
; GENERAL INFORMATION:
; APPLICANT: Fischer, Timothy J.
; APPLICANT: Malinowski, Douglas P.
; APPLICANT: Taylor, Adriann J.
; APPLICANT: Parker, Margaret R.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE
; FILE REFERENCE: DETECTION OF CERVICAL DISEASE
; FILE REFERENCE: 046143/287139
; CURRENT APPLICATION NUMBER: US/11/087,227
; PRIOR FILING DATE: 2005-03-23
; PRIOR APPLICATION NUMBER: 60/556,495
; PRIOR FILING DATE: 2004-03-24
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 1531
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-087-227-24

Query Match 100.0%; Score 49; DB 7; Length 1531;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FLYDDNQRV 9
Db 828 FLYDDNQRV 836

RESULT 2
US-11-186-284-211
; Sequence 211, Application US/11186284
; Publication No. US20050266493A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Berger, Allison
; APPLICANT: Guillemette, Tracy L.
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Thibodeau, Stephen N.
; APPLICANT: Burgart, Lawrence J.
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND

; TITLE OF INVENTION: THERAPY OF COLON CANCER
; FILE REFERENCE: MPM01-0292PRNM
; CURRENT APPLICATION NUMBER: US/11/186,284
; CURRENT FILING DATE: 2005-07-21
; PRIOR APPLICATION NUMBER: US/10/301,822
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 60/339,971
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: US 60/361,978
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/381,988
; PRIOR FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 211
; LENGTH: 1531
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-11-186-284-211

Query Match 100.0%; Score 49; DB 7; Length 1531;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FLYDDNQRV 9
DB 828 FLYDDNQRV 836

RESULT 3
US-11-084-554-203
; Sequence 203, Application US/11/084554
; Publication No. US20050260679A1
; GENERAL INFORMATION:
; APPLICANT: Kellermann, Sirid-Ai
; APPLICANT: Green, Larry L.
; APPLICANT: Korver, Wouter
; TITLE OF INVENTION: REDUCING THE RISK OF HUMAN ANTI-HUMAN
; FILE REFERENCE: ABGENIX.100A
; CURRENT APPLICATION NUMBER: US/11/084,554
; CURRENT FILING DATE: 2005-03-17
; PRIOR APPLICATION NUMBER: 60/554,372
; PRIOR FILING DATE: 2004-03-19
; PRIOR APPLICATION NUMBER: 60/574,661
; PRIOR FILING DATE: 2004-05-24
; NUMBER OF SEQ ID NOS: 266
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 203
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-084-554-203

Query Match 67.3%; Score 33; DB 7; Length 98;
Best Local Similarity 71.4%; Pred. No. 7.7;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 LYDDNQR 8
DB 49 IYEDNQR 55

RESULT 4
US-11-136-250-203
; Sequence 203, Application US/11/136250
; Publication No. US20060021074A1
; GENERAL INFORMATION:
; APPLICANT: Kellermann, Sirid-Ai
; APPLICANT: Green, Larry L.
; APPLICANT: Korver, Wouter
; TITLE OF INVENTION: REDUCING THE RISK OF HUMAN ANTI-HUMAN
; FILE REFERENCE: ABGENIX.100A
; CURRENT APPLICATION NUMBER: US/11/136,250
; CURRENT FILING DATE: 2006-02-21
; PRIOR APPLICATION NUMBER: PCT/US2005/009306
; PRIOR FILING DATE: 2005-03-17
; PRIOR APPLICATION NUMBER: 60/574,661
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: 60/554,372
; PRIOR FILING DATE: 2004-03-19
; NUMBER OF SEQ ID NOS: 266
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 203
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-136-250-203

; FILE REFERENCE: ABGENIX.100A2
; CURRENT APPLICATION NUMBER: US/11/136,250
; CURRENT FILING DATE: 2005-05-23
; PRIOR APPLICATION NUMBER: 11/084,554
; PRIOR FILING DATE: 2005-03-17
; PRIOR APPLICATION NUMBER: PCT/US2005/009306
; PRIOR FILING DATE: 2005-03-17
; PRIOR APPLICATION NUMBER: 60/574,661
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: 60/554,372
; PRIOR FILING DATE: 2004-03-19
; NUMBER OF SEQ ID NOS: 266
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 203
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-136-250-203

Query Match 67.3%; Score 33; DB 7; Length 98;
Best Local Similarity 71.4%; Pred. No. 7.7;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 LYDDNQR 8
DB 49 IYEDNQR 55

RESULT 5
US-10-834-397-20
; Sequence 20, Application US/10834397
; Publication No. US20060003334A1
; GENERAL INFORMATION:
; APPLICANT: Knappik, Achim
; APPLICANT: Pack, Peter
; APPLICANT: Ilag, Vic
; APPLICANT: Ge, Liming
; APPLICANT: Moroney, Simon
; APPLICANT: Plueckthun, Andreas
; TITLE OF INVENTION: Protein/(poly)peptide libraries
; NUMBER OF SEQUENCES: 373
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: James F. Haley, Jr., Esq. c/o Fish & Neave
; STREET: 1251 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10021
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/834,397
; FILING DATE: 29-Apr-2004
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/490,324
; FILING DATE: 24-Jan-2000
; APPLICATION NUMBER: US/09/025,769
; FILING DATE: 18-FEB-1998
; APPLICATION NUMBER: EP 95 11 3021.0
; FILING DATE: 18-AUG-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: James F. Haley, Jr., Esq.
; REGISTRATION NUMBER: 27,794
; REFERENCE/DOCKET NUMBER: MORPHO/5
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)596-9000
; TELEFAX: (212)596-9090
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 108 amino acids

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;
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-10-834-397-20

Query Match      67.3%; Score 33; DB 6; Length 108;
Best Local Similarity 71.4%; Pred. No. 8.5;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      2 LYDDNQR 8
Db      46 IYDDNKR 52

RESULT 6
US-11-102-621-4
; Sequence 4, Application US/11102621
; Publication No. US20050276799A1
; GENERAL INFORMATION:
; APPLICANT: Protein Design Labs, Inc.
; APPLICANT: Hinton, Paul R.
; APPLICANT: Tsurushita, Naoya
; APPLICANT: Tso, J. Yun
; APPLICANT: Vasquez, Maximiliano
; TITLE OF INVENTION: ALTERATION OF FcRn BINDING AFFINITIES OR SERUM HALF-LIVES OF
; TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05882.0039.00PC03
; CURRENT APPLICATION NUMBER: US/11/102,621
; CURRENT FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: US 10/822,300
; PRIOR FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-102-621-4

Query Match      67.3%; Score 33; DB 7; Length 109;
Best Local Similarity 71.4%; Pred. No. 8.5;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      2 LYDDNQR 8
Db      47 VYDDNER 53

RESULT 7
US-10-982-440-40
; Sequence 40, Application US/10982440
; Publication No. US20060018909A1
; GENERAL INFORMATION:
; APPLICANT: Oliner, John
; APPLICANT: Graham, Kevin
; TITLE OF INVENTION: Angiopoietin-2 Specific Binding Agents
; FILE REFERENCE: 04-881-A
; CURRENT APPLICATION NUMBER: US/10/982,440
; CURRENT FILING DATE: 2004-11-04
; PRIOR APPLICATION NUMBER: 60/620,161
; PRIOR FILING DATE: 2004-10-19
; NUMBER OF SEQ ID NOS: 215
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 40
; LENGTH: 110
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-982-440-40

Query Match      67.3%; Score 33; DB 6; Length 110;
Best Local Similarity 71.4%; Pred. No. 8.6;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      2 LYDDNQR 8
Db      49 IYEDNQR 55

RESULT 8
US-10-982-440-42
; Sequence 42, Application US/10982440
; Publication No. US20060018909A1
; GENERAL INFORMATION:
; APPLICANT: Oliner, John
; APPLICANT: Graham, Kevin
; TITLE OF INVENTION: Angiopoietin-2 Specific Binding Agents
; FILE REFERENCE: 04-881-A
; CURRENT APPLICATION NUMBER: US/10/982,440
; CURRENT FILING DATE: 2004-11-04
; PRIOR APPLICATION NUMBER: 60/620,161
; PRIOR FILING DATE: 2004-10-19
; NUMBER OF SEQ ID NOS: 215
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 42
; LENGTH: 110
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-982-440-42

Query Match      67.3%; Score 33; DB 6; Length 110;
Best Local Similarity 71.4%; Pred. No. 8.6;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      2 LYDDNQR 8
Db      49 IYEDNQR 55

RESULT 9
US-10-982-440-58
; Sequence 58, Application US/10982440
; Publication No. US20060018909A1
; GENERAL INFORMATION:
; APPLICANT: Oliner, John
; APPLICANT: Graham, Kevin
; TITLE OF INVENTION: Angiopoietin-2 Specific Binding Agents
; FILE REFERENCE: 04-881-A
; CURRENT APPLICATION NUMBER: US/10/982,440
; CURRENT FILING DATE: 2004-11-04
; PRIOR APPLICATION NUMBER: 60/620,161
; PRIOR FILING DATE: 2004-10-19
; NUMBER OF SEQ ID NOS: 215
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 58
; LENGTH: 110
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-982-440-58

Query Match      67.3%; Score 33; DB 6; Length 110;
Best Local Similarity 71.4%; Pred. No. 8.6;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      2 LYDDNQR 8
Db      49 IYEDNQR 55

RESULT 10
US-11-054-515-1234
; Sequence 1234, Application US/11054515
; Publication No. US2005025532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
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Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      2 LYDDNQR 8
Db      49 IYEDNQR 55

RESULT 8
US-10-982-440-42
; Sequence 42, Application US/10982440
; Publication No. US20060018909A1
; GENERAL INFORMATION:
; APPLICANT: Oliner, John
; APPLICANT: Graham, Kevin
; TITLE OF INVENTION: Angiopoietin-2 Specific Binding Agents
; FILE REFERENCE: 04-881-A
; CURRENT APPLICATION NUMBER: US/10/982,440
; CURRENT FILING DATE: 2004-11-04
; PRIOR APPLICATION NUMBER: 60/620,161
; PRIOR FILING DATE: 2004-10-19
; NUMBER OF SEQ ID NOS: 215
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 42
; LENGTH: 110
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-982-440-42

Query Match      67.3%; Score 33; DB 6; Length 110;
Best Local Similarity 71.4%; Pred. No. 8.6;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      2 LYDDNQR 8
Db      49 IYEDNQR 55

RESULT 9
US-10-982-440-58
; Sequence 58, Application US/10982440
; Publication No. US20060018909A1
; GENERAL INFORMATION:
; APPLICANT: Oliner, John
; APPLICANT: Graham, Kevin
; TITLE OF INVENTION: Angiopoietin-2 Specific Binding Agents
; FILE REFERENCE: 04-881-A
; CURRENT APPLICATION NUMBER: US/10/982,440
; CURRENT FILING DATE: 2004-11-04
; PRIOR APPLICATION NUMBER: 60/620,161
; PRIOR FILING DATE: 2004-10-19
; NUMBER OF SEQ ID NOS: 215
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 58
; LENGTH: 110
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-982-440-58

Query Match      67.3%; Score 33; DB 6; Length 110;
Best Local Similarity 71.4%; Pred. No. 8.6;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      2 LYDDNQR 8
Db      49 IYEDNQR 55

RESULT 10
US-11-054-515-1234
; Sequence 1234, Application US/11054515
; Publication No. US2005025532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
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/ TITLE OF INVENTION: Antibodies that Immunospecifically Bind BlyS
/ FILE REFERENCE: PF523P3
/ CURRENT APPLICATION NUMBER: US/11/054,515
/ CURRENT FILING DATE: 2005-02-10
/ PRIOR APPLICATION NUMBER: 60/543,296
/ PRIOR FILING DATE: 2004-02-11
/ PRIOR APPLICATION NUMBER: 60/580,347
/ PRIOR FILING DATE: 2004-06-18
/ PRIOR APPLICATION NUMBER: 10/293,418
/ PRIOR FILING DATE: 2002-11-14
/ PRIOR APPLICATION NUMBER: 60/331,469
/ PRIOR FILING DATE: 2001-11-16
/ PRIOR APPLICATION NUMBER: 60/340,817
/ PRIOR FILING DATE: 2001-12-19
/ PRIOR APPLICATION NUMBER: 09/880,748
/ PRIOR FILING DATE: 2001-06-15
/ PRIOR APPLICATION NUMBER: 60/293,499
/ PRIOR FILING DATE: 2001-05-25
/ PRIOR APPLICATION NUMBER: 60/277,379
/ PRIOR FILING DATE: 2001-03-21
/ PRIOR APPLICATION NUMBER: 60/276,248
/ PRIOR FILING DATE: 2001-03-16
/ PRIOR APPLICATION NUMBER: 60/240,816
/ PRIOR FILING DATE: 2000-10-17
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 3247
/ SEQ ID NO 1234
/ LENGTH: 258
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ US-11-054-515-1234

Query Match 67.3%; Score 33; DB 7; Length 258;
Best Local Similarity 71.4%; Pred. No. 21;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 LYDDNQR 8
DB 196 IYEDNQR 202

RESULT 11
US-10-467-657-8240
/ Sequence 8240, Application US/10467657
/ Publication No. US20050260581A1
/ GENERAL INFORMATION:
/ APPLICANT: CHIRON SPA
/ APPLICANT: FONTANA Maria Rita
/ APPLICANT: PIZZA Mariagrazia
/ APPLICANT: MASIGNANI Vega
/ APPLICANT: MONACI Elisabetta
/ TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
/ FILE REFERENCE:
/ CURRENT APPLICATION NUMBER: US/10/467,657
/ CURRENT FILING DATE: 2003-08-11
/ PRIOR APPLICATION NUMBER: GB-0103424.8
/ PRIOR FILING DATE: 2001-02-12
/ NUMBER OF SEQ ID NOS: 9218
/ SOFTWARE: SeqWin99, version 1.04
/ SEQ ID NO 8240
/ LENGTH: 554
/ TYPE: PRT
/ ORGANISM: Neisseria gonorrhoeae
/ US-10-467-657-8240

Query Match 67.3%; Score 33; DB 6; Length 554;
Best Local Similarity 66.7%; Pred. No. 46;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 FLYDDNQRV 9
DB 497 FLHDDNRPV 505
```

```
RESULT 12
US-10-834-397-32
/ Sequence 32, Application US/10834397
/ Publication No. US20060003334A1
/ GENERAL INFORMATION:
/ APPLICANT: Knappik, Achim
/ Pack, Peter
/ Ilag, Vic
/ Ge, Liming
/ Moroney, Simon
/ Plueckthun, Andreas
/ TITLE OF INVENTION: Protein/(poly)peptide libraries
/ NUMBER OF SEQUENCES: 373
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: James F. Haley, Jr., Esq. c/o Fish & Neave
/ STREET: 1251 Avenue of the Americas
/ CITY: New York
/ STATE: New York
/ COUNTRY: USA
/ ZIP: 10021
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/10/834,397
/ FILING DATE: 29-Apr-2004
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/09/490,324
/ FILING DATE: 24-Jan-2000
/ APPLICATION NUMBER: US/09/025,769
/ FILING DATE: 18-FEB-1998
/ APPLICATION NUMBER: EP 95 11 3021.0
/ FILING DATE: 18-AUG-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: James F. Haley, Jr., Esq.
/ REGISTRATION NUMBER: 27,794
/ REFERENCE/DOCKET NUMBER: MORPHO/5
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (212)596-9000
/ TELEFAX: (212)596-9090
/ INFORMATION FOR SEQ ID NO: 32:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 109 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: <Unknown>
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-10-834-397-32

Query Match 65.3%; Score 32; DB 6; Length 109;
Best Local Similarity 71.4%; Pred. No. 13;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 LYDDNQR 8
DB 49 IYDNNQR 55

RESULT 13
US-10-834-397-51
/ Sequence 51, Application US/10834397
/ Publication No. US20060003334A1
/ GENERAL INFORMATION:
/ APPLICANT: Knappik, Achim
/ Pack, Peter
/ Ilag, Vic
/ Ge, Liming
/ Moroney, Simon
/ Plueckthun, Andreas
```

;; TITLE OF INVENTION: Protein/(Poly)peptide libraries
;; NUMBER OF SEQUENCES: 373
;; CORRESPONDENCE ADDRESS:
;; ADDRESSER: James F. Haley, Jr., Esq. c/o Fish & Neave
;; STREET: 1251 Avenue of the Americas
;; CITY: New York
;; STATE: New York
;; COUNTRY: USA
;; ZIP: 10021
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patent In Release #1.0, Version #1.30 (BPO)
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/10/834,397
;; FILING DATE: 29-Apr-2004
;; APPLICATION NUMBER: US/09/490,324
;; FILING DATE: 24-Jan-2000
;; APPLICATION NUMBER: US/09/025,769
;; FILING DATE: 18-FEB-1998
;; APPLICATION NUMBER: EP 95 11 3021.0
;; FILING DATE: 18-AUG-1995
;;
;; ATTORNEY/AGENT INFORMATION:
;; NAME: James F. Haley, Jr., Esq.
;; REGISTRATION NUMBER: 27,794
;; REFERENCE/DOCKET NUMBER: MORPHO/5
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (212)596-9000
;; TELEFAX: (212)596-9090
;; INFORMATION FOR SEQ ID NO: 51:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 109 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;;
;; MOLECULE TYPE: protein
;; SEQUENCE DESCRIPTION: SEQ ID NO: 51:
US-10-834-397-51

Query Match 65.3%; Score 32; DB 6; Length 109;
Best Local Similarity 71.4%; Pred. No. 13;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 LYDDNQR 8
Db 49 IYDNNQR 55

RESULT 14
US-11-055-822-1068
Sequence 1068, Application US/11055822
Publication No. US20050260707A1
GENERAL INFORMATION:
APPLICANT: Pompejus, Markus
APPLICANT: Kroger, Burkhard
APPLICANT: Schroder, Hartwig
APPLICANT: Zelder, Oskar
APPLICANT: Haberer, Gregor
TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
FILE REFERENCE: BGI-121CPN
CURRENT APPLICATION NUMBER: US/11/055,822
PRIOR FILING DATE: 2005-02-11
PRIOR APPLICATION NUMBER: 09/606,740
PRIOR FILING DATE: 2000-06-23
PRIOR APPLICATION NUMBER: 60/141,031
PRIOR FILING DATE: 1999-06-25
PRIOR APPLICATION NUMBER: 60/142,101
PRIOR FILING DATE: 1999-07-02
PRIOR APPLICATION NUMBER: 60/148,613
PRIOR FILING DATE: 1999-08-12
PRIOR APPLICATION NUMBER: 60/187,970

;; PRIOR FILING DATE: 2000-03-09
;; PRIOR APPLICATION NUMBER: DE 19930476.9
;; PRIOR FILING DATE: 1999-07-01
;; PRIOR APPLICATION NUMBER: DE 19931415.2
;; PRIOR FILING DATE: 1999-07-08
;; PRIOR APPLICATION NUMBER: DE 19931418.7
;; PRIOR FILING DATE: 1999-07-08
;; PRIOR APPLICATION NUMBER: DE 19931419.5
;; PRIOR FILING DATE: 1999-07-08
;; PRIOR APPLICATION NUMBER: DE 19931420.9
;; PRIOR FILING DATE: 1999-07-08
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 1158
;; LENGTH: 230
;; TYPE: PRT
;; ORGANISM: Corynebacterium glutamicum
US-11-055-822-1068

Query Match 65.3%; Score 32; DB 7; Length 230;
Best Local Similarity 62.5%; Pred. No. 29;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 2 LYDDNQRV 9
Db 12 LYDDNGKI 19

RESULT 15
US-11-054-515-1540
Sequence 1540, Application US/11054515
Publication No. US2005025532A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BlyS
FILE REFERENCE: PFS23EP3
CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR FILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 09/880,748
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 1540
LENGTH: 250
TYPE: PRT
ORGANISM: Homo sapiens
US-11-054-515-1540

Query Match 65.3%; Score 32; DB 7; Length 250;
Best Local Similarity 71.4%; Pred. No. 31;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 LYDDNQR 8
Db 188 VYDDNKR 194

Search completed: February 7, 2006, 13:48:18
Job time : 4.40851 secs

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: February 7, 2006, 12:45:47 ; Search time 20.4894 Seconds
(without alignments)
36.315 Million cell updates/sec

Title: US-10-006-177A-5
Perfect score: 47
Sequence: 1 ALMEQHYV 9

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.*
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2: /cgn2_6/ptodata/1/1aa/6 COMB.pap.*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	47	100.0	769	1	US-08-454-455-6
2	47	100.0	831	2	US-09-949-016-10169
3	34	72.3	168	2	US-09-902-540-14156
4	33	70.2	378	2	US-09-248-796A-26019
5	32	68.1	152	2	US-09-543-681A-7505
6	32	68.1	191	2	US-09-489-039A-12606
7	32	68.1	591	2	US-09-561-077C-18
8	32	68.1	591	2	US-09-221-04-18
9	31	66.0	79	2	US-09-732-210-348
10	31	66.0	164	2	US-09-543-681A-8198
11	31	66.0	235	2	US-09-489-039A-13178
12	31	66.0	393	2	US-09-248-796A-19806
13	31	66.0	478	2	US-09-489-039A-7205
14	31	66.0	538	2	US-09-252-991A-24079
15	31	66.0	1208	2	US-09-463-702A-2
16	31	66.0	1208	2	US-09-699-135-2
17	30	63.8	60	2	US-09-621-976-6481
18	30	63.8	120	2	US-09-270-767-40935
19	30	63.8	120	2	US-09-270-767-56151
20	30	63.8	217	2	US-09-270-767-33049
21	30	63.8	256	2	US-09-902-540-14410
22	30	63.8	260	2	US-09-248-796A-16370
23	30	63.8	294	2	US-09-902-540-12165
24	30	63.8	344	2	US-09-543-681A-4890
25	30	63.8	353	2	US-09-540-236-2888
26	30	63.8	364	2	US-09-248-796A-16427
27	30	63.8	402	2	US-09-252-991A-17911

28	30	63.8	445	2	US-09-991-181-177	Sequence 177, App
29	30	63.8	445	2	US-09-990-444-177	Sequence 177, App
30	30	63.8	445	2	US-09-997-333-177	Sequence 177, App
31	30	63.8	445	2	US-09-992-598-177	Sequence 177, App
32	30	63.8	492	2	US-09-489-039A-9018	Sequence 9018, App
33	30	63.8	526	2	US-09-949-016-10277	Sequence 10277, A
34	30	63.8	559	2	US-09-949-016-9995	Sequence 9995, Ap
35	30	63.8	564	2	US-09-134-001C-2897	Sequence 2897, Ap
36	30	63.8	592	2	US-09-252-991A-31642	Sequence 31642, A
37	30	63.8	746	2	US-09-248-796A-19979	Sequence 19979, A
38	30	63.8	881	2	US-09-252-991A-31702	Sequence 31702, A
39	30	63.8	888	2	US-09-252-991A-25825	Sequence 25825, A
40	30	63.8	893	2	US-10-104-047-3504	Sequence 3504, Ap
41	30	63.8	928	2	US-09-134-000C-5307	Sequence 5307, Ap
42	30	63.8	1150	2	US-09-252-991A-24671	Sequence 24671, A
43	30	63.8	1154	2	US-09-489-039A-7724	Sequence 7724, Ap
44	30	63.8	1159	2	US-09-328-352-7624	Sequence 7624, Ap
45	30	63.8	1185	2	US-09-252-991A-18328	Sequence 18328, A

ALIGNMENTS

RESULT 1
US-08-454-455-6
; Sequence 6, Application US/08454455
; Patent No. 5635601
; GENERAL INFORMATION:
; APPLICANT: Moyle, Matthew
; APPLICANT: McLean, John W.
; TITLE OF INVENTION: NOVEL BETA INTEGRIN SUBUNIT
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 720 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/454,455
; FILING DATE: 30-May-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/193989
; FILING DATE: 09-FEB-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/004142
; FILING DATE: 13-JAN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/670607
; FILING DATE: 14-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M.
; REGISTRATION NUMBER: 00,000
; REFERENCE/DOCKET NUMBER: P0699C2D2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 769 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-08-454-455-6
Query Match 100.0%; Score 47; DB 1; Length 769;

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Best Local Similarity 100.0%; Pred. No. 0.32; DB 2; Length 831;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ALMEQOHYV 9
Db 662 ALMEQOHYV 670

RESULT 2
US-09-949-016-10169
; Sequence 10169, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10169
; LENGTH: 831
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-10169

Query Match 100.0%; Score 47; DB 2; Length 831;
Best Local Similarity 100.0%; Pred. No. 0.34;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ALMEQOHYV 9
Db 724 ALMEQOHYV 732

RESULT 3
US-09-902-540-14156
; Sequence 14156, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 14156
; LENGTH: 164
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-14156

Query Match 72.3%; Score 34; DB 2; Length 164;
Best Local Similarity 75.0%; Pred. No. 24;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 LMEQOHYV 9
Db 17 LMTQOHYL 24
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RESULT 4
US-09-248-796A-26019
; Sequence 26019, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 26019
; LENGTH: 378
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-26019

Query Match 70.2%; Score 33; DB 2; Length 378;
Best Local Similarity 75.0%; Pred. No. 93;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 LMEQOHYV 9
Db 131 LQEQNHV 138

RESULT 5
US-09-543-681A-7505
; Sequence 7505, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABIL
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 7505
; LENGTH: 152
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-7505

Query Match 68.1%; Score 32; DB 2; Length 152;
Best Local Similarity 71.4%; Pred. No. 56;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 LMEQOHYV 8
Db 12 LIEQEHY 18

RESULT 6
US-09-489-039A-12606
; Sequence 12606, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
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; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 12606
; LENGTH: 191
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-12606

Query Match 68.1%; Score 32; DB 2; Length 191;
Best Local Similarity 62.5%; Pred. No. 71;
Matches 5; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 ALMEQOHY 8
:|:|:|:
Db 8 SLMOQOH 15

RESULT 7

US-09-561-077C-18
; Sequence 18, Application US/09561077C
; Patent No. 6706501
; GENERAL INFORMATION:
; APPLICANT: Rosson, Reinhardt D.
; APPLICANT: Deng, Ming-de
; APPLICANT: Grund, Alan D.
; TITLE OF INVENTION: LINOLEATE ISOMERASE
; FILE REFERENCE: 3161-20-C1
; CURRENT APPLICATION NUMBER: US/09/561,077C
; CURRENT FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/141,798
; PRIOR FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 591
; TYPE: PRT
; ORGANISM: Lactobacillus reuteri
US-09-561-077C-18

Query Match 68.1%; Score 32; DB 2; Length 591;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 LMEQOH 7
|:|:|:
Db 584 LMEQOH 589

RESULT 8

US-09-221-014-18
; Sequence 18, Application US/09221014C
; Patent No. 6743609
; GENERAL INFORMATION:
; APPLICANT: Rosson, Reinhardt D.
; APPLICANT: Grund, Alan D.
; APPLICANT: Deng, Ming-de
; APPLICANT: Sanchez-Riera, Fernando
; TITLE OF INVENTION: LINOLEATE ISOMERASE
; FILE REFERENCE: 3161-20
; CURRENT APPLICATION NUMBER: US/09/221,014C
; CURRENT FILING DATE: 1998-12-23
; EARLIER APPLICATION NUMBER: 60/068,617
; EARLIER FILING DATE: 1997-12-23
; EARLIER APPLICATION NUMBER: 60/089,560
; EARLIER FILING DATE: 1998-06-17
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 18
; LENGTH: 591
; TYPE: PRT
; ORGANISM: Lactobacillus reuteri
US-09-221-014-18

Query Match 68.1%; Score 32; DB 2; Length 591;

Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2 LMEQOH 7
|:|:|:
Db 584 LMEQOH 589

RESULT 9

US-09-732-210-348
; Sequence 348, Application US/09732210
; Patent No. 6573361
; GENERAL INFORMATION:
; APPLICANT: Bunkers, Greg J.
; APPLICANT: Liang, Jihong
; APPLICANT: Mittanck, Cindy A.
; APPLICANT: Seale, Jeffrey W.
; APPLICANT: Wu, Yonnie S.
; TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
; FILE REFERENCE: 38-21(15036)B
; CURRENT APPLICATION NUMBER: US/09/732,210
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,513
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: US 60/169,340
; PRIOR FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 1753
; SEQ ID NO 348
; LENGTH: 79
; TYPE: PRT
; ORGANISM: Manduca sexta
US-09-732-210-348

Query Match 66.0%; Score 31; DB 2; Length 79;
Best Local Similarity 62.5%; Pred. No. 44;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 ALMEQOHY 8
|:|:|:
Db 57 AVMEDRHY 64

RESULT 10

US-09-543-681A-8198
; Sequence 8198, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 8198
; LENGTH: 164
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-8198

Query Match 66.0%; Score 31; DB 2; Length 164;
Best Local Similarity 75.0%; Pred. No. 95;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 LMEQOHY 9
|:|:|:
Db 41 LNEQOHYV 48

RESULT 11

US-09-489-039A-13178

Query Match 66.0%; Score 31; DB 2; Length 1208;
Best Local Similarity 71.4%; Pred. No. 8e+02;

Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 3 MEQOHYV 9
|:|:|
Db 358 MKQKHV 364

Search completed: February 7, 2006, 12:49:37
Job time : 20.4894 secs

us-10-006-177a-5.ra1

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GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: February 7, 2006, 13:34:34 ; Search time 64.8191 Seconds
(without alignments)
58.015 Million cell updates/sec

Title: US-10-006-177A-5
Perfect score: 47
Sequence: 1 ALMEQOHVY 9

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA.Main:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	47	100.0	9	4 US-10-006-177-5	Sequence 5, Appli
2	47	100.0	769	3 US-09-984-130-67	Sequence 67, Appl
3	47	100.0	769	3 US-09-836-353A-67	Sequence 67, Appl
4	47	100.0	769	4 US-10-097-340-157	Sequence 157, App
5	47	100.0	769	4 US-10-295-027-480	Sequence 480, App
6	47	100.0	769	4 US-10-295-027-825	Sequence 825, App
7	47	100.0	769	4 US-10-295-027-845	Sequence 845, App
8	47	100.0	769	4 US-10-173-993-56	Sequence 56, Appl
9	47	100.0	769	6 US-11-050-926-157	Sequence 157, App
10	36	76.6	52	4 US-10-424-599-275477	Sequence 275477,
11	36	76.6	154	4 US-10-425-115-321251	Sequence 321251,
12	35	74.5	70	4 US-10-425-115-323882	Sequence 323882,
13	35	74.5	207	4 US-10-437-963-189508	Sequence 189508,
14	34	72.3	153	3 US-09-764-864-872	Sequence 872, App
15	34	72.3	294	4 US-10-408-765A-773	Sequence 773, App
16	33	70.2	96	4 US-10-437-963-112983	Sequence 112983,
17	33	70.2	229	3 US-09-866-562-92	Sequence 92, Appl
18	33	70.2	268	4 US-10-412-699B-730	Sequence 730, App
19	33	70.2	302	6 US-11-097-143-879	Sequence 879, App
20	33	70.2	623	4 US-10-425-114-59015	Sequence 59015, A
21	33	70.2	743	4 US-10-425-115-319142	Sequence 319142,
22	33	70.2	754	4 US-10-369-493-9797	Sequence 9797, Ap
23	33	70.2	775	3 US-09-934-455-450	Sequence 450, App
24	33	70.2	881	4 US-10-369-493-22252	Sequence 22252, A
25	32	68.1	95	4 US-10-767-701-33865	Sequence 33865, A
26	32	68.1	163	4 US-10-424-599-231149	Sequence 231149,
27	32	68.1	169	4 US-10-156-761-10091	Sequence 10091, A

ALIGNMENTS

RESULT 1

US-10-006-177-5
; Sequence 5, Application US/10006177
; Publication No. US20030165513A1

GENERAL INFORMATION:

; APPLICANT: Ramakrishna, Venky
; APPLICANT: Ross, Mark
; APPLICANT: Philip, Ramila
; TITLE OF INVENTION: Cytotoxic T-Lymphocyte-Inducing Immunogens for Prevention, Treatm
; TITLE OF INVENTION: Diagnosis of Cancer
; FILE REFERENCE: 26747-35
; CURRENT APPLICATION NUMBER: US/10/006.177
; CURRENT FILING DATE: 2001-12-04

; PRIOR APPLICATION NUMBER: US/60/251,022

; PRIOR FILING DATE: 2000-12-04

; PRIOR APPLICATION NUMBER: US/60/256,824

; PRIOR FILING DATE: 2000-12-20

; NUMBER OF SEQ ID NOS: 20

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 5

; LENGTH: 9

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Epitopic Peptide

US-10-006-177-5

Query Match 100.0%; Score 47; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.7e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ALMEQOHVY 9

DB 1 ALMEQOHVY 9

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RESULT 2

US-09-984-130-67

; Sequence 67, Application US/09984130

; Publication No. US20030055231A1

GENERAL INFORMATION:

; APPLICANT: Ni et al.

; TITLE OF INVENTION: 12 Human Secreted Proteins

; FILE REFERENCE: PF489P2

; CURRENT APPLICATION NUMBER: US/09/984.130

; CURRENT FILING DATE: 2001-10-29

; PRIOR APPLICATION NUMBER: 60/243,792

; PRIOR FILING DATE: 2000-10-30

; PRIOR APPLICATION NUMBER: 09/836,353

; PRIOR FILING DATE: 2001-04-18

;
; PRIOR APPLICATION NUMBER: 60/198,407
; PRIOR FILING DATE: 2000-04-19
; PRIOR APPLICATION NUMBER: PCT/US99/25031
; PRIOR FILING DATE: 1999-10-27
; PRIOR APPLICATION NUMBER: 60/105,971
; PRIOR FILING DATE: 1998-10-28
; NUMBER OF SEQ ID NOS: 149
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 67
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-984-130-67

Query Match 100.0%; Score 47; DB 3; Length 769;
Best Local Similarity 100.0%; Pred. No. 2.5;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ALMEQQHYV 9
Db 662 ALMEQQHYV 670

RESULT 3
US-09-836-353A-67
; Sequence 67, Application US/09836353A
; Publication No. US20030129685A1
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: 12 Human Secreted Proteins
; FILE REFERENCE: PF489P1
; CURRENT APPLICATION NUMBER: US/09/836,353A
; CURRENT FILING DATE: 2001-04-18
; PRIOR APPLICATION NUMBER: 60/198,407
; PRIOR FILING DATE: 2000-04-19
; PRIOR APPLICATION NUMBER: PCT/US99/25031
; PRIOR FILING DATE: 1999-10-27
; PRIOR APPLICATION NUMBER: 60/105,971
; PRIOR FILING DATE: 1998-10-28
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 67
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-836-353A-67

Query Match 100.0%; Score 47; DB 3; Length 769;
Best Local Similarity 100.0%; Pred. No. 2.5;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ALMEQQHYV 9
Db 662 ALMEQQHYV 670

RESULT 4
US-10-097-340-157
; Sequence 157, Application US/10097340
; Publication No. US20030087250A1
; GENERAL INFORMATION:
; APPLICANT: John MONAHAN
; APPLICANT: Manjula GANNAVAPU
; APPLICANT: Sebastian HOERSCH
; APPLICANT: Shubhangi KAMATKAR
; APPLICANT: Steve G. KOVATS
; APPLICANT: Rachel E. MEYERS
; APPLICANT: Michael MORRISSEY
; APPLICANT: Peter OLANDT
; APPLICANT: Ami SEN
; APPLICANT: Peter VEIBY
; APPLICANT: Gordon B. MILLS
; APPLICANT: Robert C. BAST, Jr.

;
; APPLICANT: Karen LU
; APPLICANT: Rosemarie SCHMANDT
; APPLICANT: Xumei ZHAO
; APPLICANT: Karen GLATT
; TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,
; ; FILE REFERENCE: MRI-030
; CURRENT APPLICATION NUMBER: US/10/097,340
; CURRENT FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: 60/276,025
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/325,149
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/276,026
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/324,967
; PRIOR FILING DATE: 2001/09/26
; PRIOR APPLICATION NUMBER: 60/311,732
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/325,102
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/323,580
; PRIOR FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 363
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 157
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-097-340-157

Query Match 100.0%; Score 47; DB 4; Length 769;
Best Local Similarity 100.0%; Pred. No. 2.5;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ALMEQQHYV 9
Db 662 ALMEQQHYV 670

RESULT 5
US-10-295-027-480
; Sequence 480, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynnne, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of diagnosis of Cancer, Compositions and
; ; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211

PRIOR FILING DATE: 2002-01-08
PRIOR APPLICATION NUMBER: US 60/347,349
PRIOR FILING DATE: 2002-01-10
PRIOR APPLICATION NUMBER: US 60/355,250
PRIOR FILING DATE: 2002-02-08
PRIOR APPLICATION NUMBER: US 60/356,714
PRIOR FILING DATE: 2002-02-13
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 1386
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 480
LENGTH: 769
TYPE: PRT
ORGANISM: Homo sapiens
US-10-295-027-480

Query Match 100.0%; Score 47; DB 4; Length 769;
Best Local Similarity 100.0%; Pred. No. 2.5;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ALMEQQHYV 9
DB 662 ALMEQQHYV 670

RESULT 6
US-10-295-027-825
Sequence 825, Application US/10295027
Publication No. US20030232350A1
GENERAL INFORMATION:
APPLICANT: Afar, Daniel
APPLICANT: Aziz, Natasha
APPLICANT: Ginsberg, Wendy M.
APPLICANT: Gish, Kurt C.
APPLICANT: Glynn, Richard
APPLICANT: Hevezi, Peter A.
APPLICANT: Mack, David H.
APPLICANT: Murray, Richard
APPLICANT: Watson, Susan R.
APPLICANT: Eos Biotechnology, Inc.
TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
FILE REFERENCE: 018501-012500US
CURRENT APPLICATION NUMBER: US 60/347,211
CURRENT FILING DATE: 2002-11-13
PRIOR APPLICATION NUMBER: US 09/663,733
PRIOR FILING DATE: 2000-09-15
PRIOR APPLICATION NUMBER: US 60/350,666
PRIOR FILING DATE: 2001-11-13
PRIOR APPLICATION NUMBER: US 60/335,394
PRIOR FILING DATE: 2001-11-15
PRIOR APPLICATION NUMBER: US 60/332,464
PRIOR FILING DATE: 2001-11-21
PRIOR APPLICATION NUMBER: US 60/334,393
PRIOR FILING DATE: 2001-11-29
PRIOR APPLICATION NUMBER: US 60/340,376
PRIOR FILING DATE: 2001-12-14
PRIOR APPLICATION NUMBER: US 60/347,211
PRIOR FILING DATE: 2002-01-08
PRIOR APPLICATION NUMBER: US 60/347,349
PRIOR FILING DATE: 2002-01-10
PRIOR APPLICATION NUMBER: US 60/355,250
PRIOR FILING DATE: 2002-02-08
PRIOR APPLICATION NUMBER: US 60/356,714
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 1386
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 825
LENGTH: 769
TYPE: PRT
ORGANISM: Homo sapiens
US-10-295-027-825

Query Match 100.0%; Score 47; DB 4; Length 769;
Best Local Similarity 100.0%; Pred. No. 2.5;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ALMEQQHYV 9
DB 662 ALMEQQHYV 670

RESULT 7
US-10-295-027-845
Sequence 845, Application US/10295027
Publication No. US20030232350A1
GENERAL INFORMATION:
APPLICANT: Afar, Daniel
APPLICANT: Aziz, Natasha
APPLICANT: Ginsberg, Wendy M.
APPLICANT: Gish, Kurt C.
APPLICANT: Glynn, Richard
APPLICANT: Hevezi, Peter A.
APPLICANT: Mack, David H.
APPLICANT: Murray, Richard
APPLICANT: Watson, Susan R.
APPLICANT: Eos Biotechnology, Inc.
TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
FILE REFERENCE: 018501-012500US
CURRENT APPLICATION NUMBER: US 60/347,211
CURRENT FILING DATE: 2002-11-13
PRIOR APPLICATION NUMBER: US 09/663,733
PRIOR FILING DATE: 2000-09-15
PRIOR APPLICATION NUMBER: US 60/350,666
PRIOR FILING DATE: 2001-11-13
PRIOR APPLICATION NUMBER: US 60/335,394
PRIOR FILING DATE: 2001-11-15
PRIOR APPLICATION NUMBER: US 60/332,464
PRIOR FILING DATE: 2001-11-21
PRIOR APPLICATION NUMBER: US 60/334,393
PRIOR FILING DATE: 2001-11-29
PRIOR APPLICATION NUMBER: US 60/340,376
PRIOR FILING DATE: 2001-12-14
PRIOR APPLICATION NUMBER: US 60/347,211
PRIOR FILING DATE: 2002-01-08
PRIOR APPLICATION NUMBER: US 60/347,349
PRIOR FILING DATE: 2002-01-10
PRIOR APPLICATION NUMBER: US 60/355,250
PRIOR FILING DATE: 2002-02-08
PRIOR APPLICATION NUMBER: US 60/356,714
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 1386
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 845
LENGTH: 769
TYPE: PRT
ORGANISM: Homo sapiens
US-10-295-027-845

Query Match 100.0%; Score 47; DB 4; Length 769;
Best Local Similarity 100.0%; Pred. No. 2.5;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ALMEQQHYV 9
DB 662 ALMEQQHYV 670

RESULT 8
US-10-173-999-56
Sequence 56, Application US/10173999
Publication No. US20040005563A1
GENERAL INFORMATION:

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; APPLICANT: Mack, David H.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Ovarian Cancer, Compositions
; TITLE OF INVENTION: and Methods of Screening for Modulators of Ovarian
; TITLE OF INVENTION: Cancer
; FILE REFERENCE: 018501-002420US
; CURRENT APPLICATION NUMBER: US/10/173,999
; PRIOR FILING DATE: 2002-06-17
; PRIOR APPLICATION NUMBER: US 60/299,234
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: US 60/315,287
; PRIOR FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/372,246
; PRIOR FILING DATE: 2001-04-12
; NUMBER OF SEQ ID NOS: 163
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 56
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-173-999-56

Query Match      100.0%; Score 47; DB 4; Length 769;
Best Local Similarity 100.0%; Pred. No. 2.5;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  ALMEQQHYV 9
Db      662  ALMEQQHYV 670

RESULT 9
US-11-050-926-157
; Sequence 157, Application US/11050926
; Publication No. US20050214831A1
; GENERAL INFORMATION:
; APPLICANT: John MONAHAN
; APPLICANT: Manjula GANNAVAPURU
; APPLICANT: Sebastian HOERSCH
; APPLICANT: Shubhangi KAMATKAR
; APPLICANT: Steve G. KOVATS
; APPLICANT: Rachel E. MEYERS
; APPLICANT: Michael MORRISSEY
; APPLICANT: Peter OLANDT
; APPLICANT: Ami SEN
; APPLICANT: Peter VEIBY
; APPLICANT: Gordon B. MILLS
; APPLICANT: Robert C. EAST, Jr.
; APPLICANT: Karen LU
; APPLICANT: Rosemarie SCHMANDT
; APPLICANT: Xumei ZHAO
; APPLICANT: Karen GLATT
; TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,
; TITLE OF INVENTION: Assessment, Prevention, and Therapy of Ovarian Cancer
; FILE REFERENCE: MRI-030
; CURRENT APPLICATION NUMBER: US/11/050,926
; CURRENT FILING DATE: 2005-02-04
; PRIOR APPLICATION NUMBER: US/10/097,340
; PRIOR FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: 60/276,025
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/325,149
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/276,026
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/324,967
; PRIOR FILING DATE: 2001/09/26
; PRIOR APPLICATION NUMBER: 60/311,732
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/325,102
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; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/323,580
; PRIOR FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 363
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 157
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-050-926-157

Query Match      100.0%; Score 47; DB 6; Length 769;
Best Local Similarity 100.0%; Pred. No. 2.5;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  ALMEQQHYV 9
Db      662  ALMEQQHYV 670

RESULT 10
US-10-424-599-275477
; Sequence 275477, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 275477
; LENGTH: 52
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_90777C.1.pep
US-10-424-599-275477

Query Match      76.6%; Score 36; DB 4; Length 52;
Best Local Similarity 75.0%; Pred. No. 20;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      2  LMEQQHYV 9
Db      14  LVEQQHYL 21

RESULT 11
US-10-425-115-321251
; Sequence 321251, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 321251
; LENGTH: 154
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
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; LOCATION: (1)..(154)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_56046C.1.ppe
US-10-425-115-321251

Query Match      76.6%; Score 36; DB 4; Length 154;
Best Local Similarity 77.8%; Pred. No. 60;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LMEQOHYV 9
Db 122 ALMQOHQV 130

RESULT 12
US-10-425-115-323882
; Sequence 323882, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 323882
; LENGTH: 70
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_5844C.1.ppe
US-10-425-115-323882

Query Match      74.5%; Score 35; DB 4; Length 70;
Best Local Similarity 62.5%; Pred. No. 42;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 2 LMEQOHYV 9
Db 40 IMRQOHYI 47

RESULT 13
US-10-437-963-189508
; Sequence 189508, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 189508
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_86010C.1.ppe
US-10-437-963-189508

; LOCATION: (1)..(154)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_56046C.1.ppe
US-10-425-115-321251

Query Match      74.5%; Score 35; DB 4; Length 207;
Best Local Similarity 85.7%; Pred. No. 1.2e+02;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 2 LMEQOHYV 8
Db 31 LVEQOHYV 37

RESULT 14
US-09-764-864-872
; Sequence 872, Application US/09764864
; Patent No. US20020132753A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT223
; CURRENT APPLICATION NUMBER: US/09/764,864
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1792
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 872
; LENGTH: 153
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-864-872

Query Match      72.3%; Score 34; DB 3; Length 153;
Best Local Similarity 75.0%; Pred. No. 1.4e+02;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 2 LMEQOHYV 9
Db 113 VMAQOHYV 120

RESULT 15
US-10-408-765A-773
; Sequence 773, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 773
; LENGTH: 294
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-773

Query Match      72.3%; Score 34; DB 4; Length 294;
Best Local Similarity 75.0%; Pred. No. 2.7e+02;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 2 LMEQOHYV 9
Db 198 VMAQOHYV 205

Search completed: February 7, 2006, 13:47:30
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Job time : 65.9191 secs

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: February 7, 2006, 13:36:27 ; Search time 4.30851 Seconds
(without alignments)
24.478 Million cell updates/sec

Title: US-10-006-177A-5
Perfect score: 47
Sequence: 1 ALMEQHHYV 9

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 88029 seqs, 11718060 residues

Total number of hits satisfying chosen parameters: 88029

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA_New.*
1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
2: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
3: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
4: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
5: /cgn2_6/ptodata/2/pubpaa/US05_NEW_PUB.pep.*
6: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
7: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
8: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	32	68.1	365	6	US-10-467-657-3846
2	30	63.8	369	6	US-10-714-887-170
3	30	63.8	445	6	US-10-063-703-32
4	30	63.8	445	7	US-11-102-240-32
5	30	63.8	448	6	US-10-467-657-4416
6	29	61.7	169	6	US-10-821-234-1380
7	29	61.7	256	6	US-10-821-234-1400
8	29	61.7	919	6	US-10-821-234-951
9	29	61.7	941	6	US-10-131-826A-464
10	29	61.7	941	7	US-11-124-368A-191
11	29	61.7	941	7	US-11-124-368A-193
12	29	61.7	948	7	US-11-124-368A-192
13	29	61.7	1133	7	US-10-821-234-1219
14	29	61.7	3361	6	US-10-453-372-1082
15	28	59.6	174	6	US-10-467-657-7424
16	28	59.6	276	6	US-10-467-657-2200
17	28	59.6	396	7	US-11-074-176-346
18	28	59.6	405	7	US-11-074-176-164
19	28	59.6	451	6	US-10-714-887-182
20	28	59.6	522	6	US-10-995-561-1030
21	28	59.6	652	6	US-10-453-372-722
22	28	59.6	652	6	US-10-453-372-724
23	28	59.6	662	7	US-11-137-131-2
24	28	59.6	662	7	US-11-137-131-4
25	28	59.6	670	6	US-10-453-372-670

26	28	59.6	670	6	US-10-453-372-682	Sequence 682, App
27	28	59.6	670	6	US-10-453-372-710	Sequence 710, App
28	28	59.6	686	6	US-10-453-372-680	Sequence 680, App
29	28	59.6	748	6	US-10-467-657-8036	Sequence 8036, App
30	28	59.6	961	6	US-10-453-372-726	Sequence 726, App
31	28	59.6	961	6	US-10-453-372-728	Sequence 728, App
32	28	59.6	967	6	US-10-453-372-712	Sequence 712, App
33	28	59.6	967	6	US-10-453-372-714	Sequence 714, App
34	28	59.6	2591	6	US-10-453-372-718	Sequence 718, App
35	28	59.6	2602	6	US-10-453-372-716	Sequence 716, App
36	28	59.6	2617	6	US-10-453-372-666	Sequence 666, App
37	28	59.6	2617	6	US-10-453-372-732	Sequence 732, App
38	28	59.6	2617	6	US-10-453-372-734	Sequence 734, App
39	28	59.6	2617	6	US-10-453-372-736	Sequence 736, App
40	28	59.6	2617	6	US-10-453-372-738	Sequence 738, App
41	28	59.6	2617	6	US-10-453-372-740	Sequence 740, App
42	28	59.6	2617	6	US-10-453-372-742	Sequence 742, App
43	28	59.6	2617	6	US-10-453-372-744	Sequence 744, App
44	28	59.6	2617	6	US-10-453-372-746	Sequence 746, App
45	28	59.6	2617	6	US-10-453-372-748	Sequence 748, App

ALIGNMENTS

RESULT 1
US-10-467-657-3846
; Sequence 3846, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON Spa
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 3846
; LENGTH: 365
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-3846

Query Match 68.1%; Score 32; DB 6; Length 365;
Best Local Similarity 50.0%; Pred. No. 20;
Matches 4; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 2 LMEQHHYV 9
: : : : :
DB 52 LMEQHHYI 59

RESULT 2
US-10-714-887-170
; Sequence 170, Application US/10714887
; Publication No. US20060015972A1
; GENERAL INFORMATION:
; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT: HEARD, Jacqueline
; APPLICANT: RIECHMANN, Jose Luis
; APPLICANT: CREELMAN, Robert
; APPLICANT: RATCLIFFE, Oliver
; APPLICANT: CANALES, Roger
; APPLICANT: REPETTI, Peter
; APPLICANT: KUMIMOTO, Roderick W
; APPLICANT: GUTTERSON, Neal
; APPLICANT: REUBER, T. Lynne

```
/ APPLICANT: PINEDA, Omaira
/ APPLICANT: SHERMAN, Bradley K
/ TITLE OF INVENTION: PLANT TRANSCRIPTIONAL REGULATORS OF DROUGHT STRESS
/ FILE REFERENCE: MB10058-CIP
/ CURRENT FILING DATE: 2003-11-13
/ PRIOR APPLICATION NUMBER: US/10/714,887
/ PRIOR FILING DATE: 2003-11-13
/ PRIOR APPLICATION NUMBER: 10/412,699
/ PRIOR FILING DATE: 2003-04-10
/ PRIOR APPLICATION NUMBER: 09/506,720
/ PRIOR FILING DATE: 2000-02-17
/ PRIOR APPLICATION NUMBER: 60/135,134
/ PRIOR FILING DATE: 1999-05-20
/ PRIOR APPLICATION NUMBER: 09/394,519
/ PRIOR FILING DATE: 1999-09-13
/ PRIOR APPLICATION NUMBER: 09/533,392
/ PRIOR FILING DATE: 2000-03-22
/ PRIOR APPLICATION NUMBER: 09/533,029
/ PRIOR FILING DATE: 2000-03-22
/ PRIOR APPLICATION NUMBER: 09/532,591
/ PRIOR FILING DATE: 2000-03-22
/ PRIOR APPLICATION NUMBER: 09/533,030
/ PRIOR FILING DATE: 2000-03-22
/ PRIOR APPLICATION NUMBER: 60/125,814
/ PRIOR FILING DATE: 1999-03-23
/ PRIOR APPLICATION NUMBER: 09/713,994
/ PRIOR FILING DATE: 2000-11-16
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 430
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 170
/ LENGTH: 369
/ TYPE: PRT
/ ORGANISM: Oryza sativa (japonica cultivar-group)
/ FEATURE:
/ OTHER INFORMATION: G3741 polypeptide Orthologous to G3086
US-10-714-887-170

Query Match      63.8%; Score 30; DB 6; Length 369;
Best Local Similarity 83.3%; Pred. No. 52;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      3 MEQQHY 8
Db      64 MEQQHY 69

RESULT 3
US-10-063-703-32
/ Sequence 32, Application US/10063703
/ Publication No. US2006008901A1
/ GENERAL INFORMATION:
/ APPLICANT: Baton, Dan L.
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Grimaldi, Christopher J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Watanabe, Colin K.
/ APPLICANT: Wood, William I.
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3230RIC1
/ CURRENT APPLICATION NUMBER: US/10/063,703
/ CURRENT FILING DATE: 2002-05-08
/ Prior Application removed - See Palm or File Wrapper
/ NUMBER OF SEQ ID NOS: 170
/ SEQ ID NO 32
/ LENGTH: 445
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-063-703-32
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Query Match      63.8%; Score 30; DB 6; Length 445;
Best Local Similarity 85.7%; Pred. No. 64;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1 ALMEQQH 7
Db      253 ALMEQQH 259

RESULT 4
US-11-102-240-32
/ Sequence 32, Application US/11102240
/ Publication No. US20050260647A1
/ GENERAL INFORMATION:
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Grimaldi, Christopher J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Wood, William I.
/ TITLE OF INVENTION: ANTIBODIES TO POLYPEPTIDES ENCODED BY A NUCLEIC ACID UNDEREXPRESS.
/ FILE REFERENCE: P3230RIC106C
/ CURRENT APPLICATION NUMBER: US/11/102,240
/ CURRENT FILING DATE: 2005-04-08
/ PRIOR APPLICATION NUMBER: 10/063662
/ PRIOR FILING DATE: 2002-05-07
/ PRIOR APPLICATION NUMBER: 10/006867
/ PRIOR FILING DATE: 2001-12-06
/ PRIOR APPLICATION NUMBER: PCT/US00/23328
/ PRIOR FILING DATE: 2000-08-24
/ PRIOR APPLICATION NUMBER: 60/170262
/ PRIOR FILING DATE: 199-12-09
/ NUMBER OF SEQ ID NOS: 170
/ SEQ ID NO 32
/ LENGTH: 445
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-11-102-240-32

Query Match      63.8%; Score 30; DB 7; Length 445;
Best Local Similarity 85.7%; Pred. No. 64;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1 ALMEQQH 7
Db      253 ALMEQQH 259

RESULT 5
US-10-467-657-4416
/ Sequence 4416, Application US/10467657
/ Publication No. US20050260581A1
/ GENERAL INFORMATION:
/ APPLICANT: CHIRON SpA
/ APPLICANT: FONTANA Maria Rita
/ APPLICANT: PIZZA Mariagrazia
/ APPLICANT: MASIGNANI Vega
/ APPLICANT: MONACI Elisabetta
/ TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
/ FILE REFERENCE:
/ CURRENT APPLICATION NUMBER: US/10/467,657
/ CURRENT FILING DATE: 2003-08-11
/ PRIOR APPLICATION NUMBER: GB-0103424.8
/ PRIOR FILING DATE: 2001-02-12
/ NUMBER OF SEQ ID NOS: 9218
/ SOFTWARE: SeqWin99, version 1.04
/ SEQ ID NO 4416
/ LENGTH: 448
/ TYPE: PRT
/ ORGANISM: Neisseria gonorrhoeae
US-10-467-657-4416

Query Match      63.8%; Score 30; DB 6; Length 448;
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Best Local Similarity 62.5%; Pred. No. 64;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 2 LMEQOHYV 9
Db 359 LLEQOHSI 366

RESULT 6
US-10-821-234-1380
; Sequence 1380, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 1380
; LENGTH: 169
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1380

Query Match 61.7%; Score 29; DB 6; Length 169;
Best Local Similarity 62.5%; Pred. No. 36;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 2 LMEQOHYV 9
Db 118 IMWQXHYV 125

RESULT 7
US-10-821-234-1400
; Sequence 1400, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 1400
; LENGTH: 256
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1400

Query Match 61.7%; Score 29; DB 6; Length 256;
Best Local Similarity 44.4%; Pred. No. 56;
Matches 4; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 ALMEQOHYV 9
Db 158 ALVQRHYL 166

RESULT 8
US-10-821-234-951
; Sequence 951, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 951
; LENGTH: 919
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-951

Query Match 61.7%; Score 29; DB 6; Length 919;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 LMEQOH 7
Db 714 LLEQOH 719

RESULT 9
US-10-131-826A-464
; Sequence 464, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Deanoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
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; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 464
; LENGTH: 941
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-464

Query Match          61.7%; Score 29; DB 6; Length 941;
Best Local Similarity 57.1%; Pred. No. 2.3e+02;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 3 MEQOHYV 9
Db 544 MKQEHYV 550

RESULT 10
US-11-124-368A-191
; Sequence 191, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/625,936
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 21112
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 191
; LENGTH: 941
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-124-368A-191

Query Match          61.7%; Score 29; DB 7; Length 941;
Best Local Similarity 57.1%; Pred. No. 2.3e+02;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 3 MEQOHYV 9
Db 544 MKQEHYV 550

RESULT 11
US-11-124-368A-193
; Sequence 193, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/625,936
; PRIOR FILING DATE: 2004-11-09
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; NUMBER OF SEQ ID NOS: 21112
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 193
; LENGTH: 941
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-124-368A-193

Query Match          61.7%; Score 29; DB 7; Length 941;
Best Local Similarity 57.1%; Pred. No. 2.3e+02;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 3 MEQOHYV 9
Db 544 MKQEHYV 550

RESULT 12
US-11-124-368A-192
; Sequence 192, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/625,936
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 21112
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 192
; LENGTH: 948
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-124-368A-192

Query Match          61.7%; Score 29; DB 7; Length 948;
Best Local Similarity 57.1%; Pred. No. 2.3e+02;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 3 MEQOHYV 9
Db 544 MKQEHYV 550

RESULT 13
US-10-821-234-1219
; Sequence 1219, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1219
; LENGTH: 1133
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1219
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; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 7424
; LENGTH: 174
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-7424

Query Match          59.6%; Score 28; DB 6; Length 174;
Best Local Similarity 42.9%; Pred. No. 59;
Matches 3; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY      3 MEQQHYV 9
      :|:|:|:
Db      64 LREHYI 70

Search completed: February 7, 2006, 13:48:19
Job time : 5.40851 secs

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GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: February 7, 2006, 12:45:47 ; Search time 20.4894 Seconds
(without alignments)
36.315 Million cell updates/sec

Title: US-10-006-177A-6
Perfect score: 46
Sequence: 1 YLMDTSGKV 9

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA.*
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3: /cgn2_6/ptodata/1/1aa/H COMB.pcp.*
4: /cgn2_6/ptodata/1/1aa/pCTUS COMB.pcp.*
5: /cgn2_6/ptodata/1/1aa/RE COMB.pcp.*
6: /cgn2_6/ptodata/1/1aa/backfiles.pcp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	46	100.0	229	US-09-631-616-13	Sequence 13, Appl
2	46	100.0	616	US-09-393-529-2	Sequence 2, Appl
3	46	100.0	616	US-09-396-149-7	Sequence 7, Appl
4	37	80.4	229	US-09-631-616-14	Sequence 14, Appl
5	37	80.4	609	US-09-396-149-6	Sequence 6, Appl
6	37	80.4	915	US-09-252-991A-22344	Sequence 22344, A
7	36	78.3	349	US-09-688-188B-16	Sequence 16, Appl
8	36	78.3	349	US-09-291-417D-16	Sequence 16, Appl
9	36	78.3	1227	US-09-688-188B-105	Sequence 105, App
10	36	78.3	1227	US-09-291-417D-105	Sequence 105, App
11	35	76.1	254	US-09-328-352-7651	Sequence 7651, Ap
12	34	73.9	301	US-09-949-016-6865	Sequence 6865, Ap
13	34	73.9	333	US-09-949-016-9952	Sequence 9952, Ap
14	34	73.9	1876	US-08-609-049A-12	Sequence 12, Appl
15	34	73.9	1876	US-08-609-049A-28	Sequence 28, Appl
16	34	73.9	1876	US-09-170-996-12	Sequence 12, Appl
17	34	73.9	1876	US-09-170-996-28	Sequence 28, Appl
18	33	71.7	185	US-09-583-110-5222	Sequence 5222, Ap
19	33	71.7	194	US-09-107-433-5104	Sequence 5104, Ap
20	33	71.7	529	US-09-433-248A-6	Sequence 6, Appl
21	32	69.6	207	US-09-248-796A-17685	Sequence 17685, A
22	32	69.6	288	US-09-902-540-12765	Sequence 12765, A
23	32	69.6	694	US-09-252-991A-22481	Sequence 22481, A
24	31	67.4	29	US-09-205-658-182	Sequence 182, App
25	31	67.4	82	US-08-370-225-19	Sequence 19, Appl
26	31	67.4	82	US-08-461-859-19	Sequence 19, Appl
27	31	67.4	82	PCT-US93-10069-19	Sequence 19, Appl

Sequence 30, Appl
Sequence 3949, Ap
Sequence 4804, Ap
Sequence 202, App
Sequence 4262, Ap
Sequence 2, Appl
Sequence 55, Appl
Sequence 18629, A
Sequence 3, Appl
Sequence 15208, A
Sequence 8, Appl
Sequence 6, Appl
Sequence 2, Appl
Sequence 1, Appl
Sequence 4, Appl
Sequence 2, Appl
Sequence 1, Appl

28 31 67.4 92 2 US-08-943-667-30
29 31 67.4 97 2 US-09-583-110-3949
30 31 67.4 97 2 US-09-107-433-4804
31 31 67.4 104 2 US-09-205-658-202
32 31 67.4 121 2 US-09-134-000C-4262
33 31 67.4 153 2 US-09-287-070-2
34 31 67.4 162 2 US-09-538-092-55
35 31 67.4 168 2 US-09-252-991A-18629
36 31 67.4 182 1 US-08-721-925A-3
37 31 67.4 335 2 US-09-902-540-15208
38 31 67.4 452 2 US-09-463-712C-8
39 31 67.4 452 2 US-09-865-415-6
40 31 67.4 490 1 US-08-294-770A-2
41 31 67.4 491 1 US-08-448-735C-2
42 31 67.4 491 2 US-09-958-561A-1
43 31 67.4 556 1 US-09-016-000-4
44 31 67.4 556 2 US-09-156-793D-2
45 31 67.4 556 2 US-08-943-667-1

ALIGNMENTS

RESULT 1

US-09-631-616-13
; Sequence 13, Application US/09631616
; Patent No. 6852832
; GENERAL INFORMATION:
; APPLICANT: Kowalczykowski, Stephen C.
; APPLICANT: Chedin, Frederic
; APPLICANT: Seitz, Erica M.
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Single Stranded DNA Binding Proteins From Archaea and
; TITLE OF INVENTION: Uses Therefor
; FILE REFERENCE: 023070-097910US
; CURRENT APPLICATION NUMBER: US/09/631,616
; PRIOR FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: US 60/147,680
; PRIOR FILING DATE: 1999-08-06
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 229
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: REA70 198-427
US-09-631-616-13

Query Match 100.0%; Score 46; DB 2; Length 229;
Best Local Similarity 100.0%; Pred. No. 0.13;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLMDTSGKV 9

DB 149 YLMDTSGKV 157

RESULT 2

US-09-393-529-2
; Sequence 2, Application US/09393529
; Patent No. 6309882
; GENERAL INFORMATION:
; APPLICANT: Monia, Brett P
; TITLE OF INVENTION: Antisense Modulation of Replication
; TITLE OF INVENTION: Protein A p70 Subunit
; FILE REFERENCE: ISPH-0383
; CURRENT APPLICATION NUMBER: US/09/393,529
; CURRENT FILING DATE: 1999-09-10
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 616

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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-393-529-2

Query Match      100.0%; Score 46; DB 2; Length 616;
Best Local Similarity 100.0%; Pred. No. 0.38;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YLMDTSGKV 9
      |||||
Db      347 YLMDTSGKV 355

RESULT 3
US-09-396-149-7
; Sequence 7, Application US/09396149
; Patent No. 6538176
; GENERAL INFORMATION:
; APPLICANT: Mahajan, Pramod B.
; TITLE OF INVENTION: Maize Replication Protein A and Use
; FILE REFERENCE: 5718-59
; CURRENT APPLICATION NUMBER: US/09/396,149
; CURRENT FILING DATE: 1999-09-15
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 616
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-396-149-7

Query Match      100.0%; Score 46; DB 2; Length 616;
Best Local Similarity 100.0%; Pred. No. 0.38;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YLMDTSGKV 9
      |||||
Db      347 YLMDTSGKV 355

RESULT 4
US-09-631-616-14
; Sequence 14, Application US/09631616
; Patent No. 6852832
; GENERAL INFORMATION:
; APPLICANT: Kowalczykowski, Stephen C.
; APPLICANT: Chedin, Frederic
; APPLICANT: Seitz, Erica M.
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Single Stranded DNA Binding Proteins From Archaea and
; TITLE OF INVENTION: Uses Therefor
; FILE REFERENCE: 023070-097910US
; CURRENT APPLICATION NUMBER: US/09/631,616
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: US 60/147,680
; PRIOR FILING DATE: 1999-08-06
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 229
; TYPE: PRT
; ORGANISM: Xenopus laevis
; FEATURE:
; OTHER INFORMATION: RPA70 190-418
US-09-631-616-14

Query Match      80.4%; Score 37; DB 2; Length 229;
Best Local Similarity 77.8%; Pred. No. 9.2;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 YLMDTSGKV 9
      |||||
Db      149 HLMDSSGKV 157

RESULT 5
US-09-396-149-6
; Sequence 6, Application US/09396149
; Patent No. 6538176
; GENERAL INFORMATION:
; APPLICANT: Mahajan, Pramod B.
; TITLE OF INVENTION: Maize Replication Protein A and Use
; FILE REFERENCE: 5718-59
; CURRENT APPLICATION NUMBER: US/09/396,149
; CURRENT FILING DATE: 1999-09-15
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 609
; TYPE: PRT
; ORGANISM: Xenopus laevis
US-09-396-149-6

Query Match      80.4%; Score 37; DB 2; Length 609;
Best Local Similarity 77.8%; Pred. No. 26;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 YLMDTSGKV 9
      |||||
Db      338 HLMDSSGKV 346

RESULT 6
US-09-252-991A-22344
; Sequence 22344, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 22344
; LENGTH: 915
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-22344

Query Match      80.4%; Score 37; DB 2; Length 915;
Best Local Similarity 66.7%; Pred. No. 41;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      1 YLMDTSGKV 9
      |||||
Db      402 YLLDTNGRV 410

RESULT 7
US-09-688-188B-16
; Sequence 16, Application US/09688188B
; Patent No. 6656716
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: MARTINEZ, RICARDO
; APPLICANT: WHYTE, DAVID
; TITLE OF INVENTION: STEP20-RELATED PROTEIN KINASES
; FILE REFERENCE: 038602/0328
; CURRENT APPLICATION NUMBER: US/09/688,188B
; CURRENT FILING DATE: 2000-10-16
; PRIOR APPLICATION NUMBER: 09/291,417
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;
; PRIOR FILING DATE: 1999-04-14
; PRIOR APPLICATION NUMBER: 60/081,784
; PRIOR FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
; LENGTH: 349
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-688-188B-16

Query Match 78.3%; Score 36; DB 2; Length 349;
Best Local Similarity 87.5%; Pred. No. 23;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 YLMDTSGK 8
|||||
Db 46 YLMDRSGK 53

RESULT 8
US-09-291-417D-16
; Sequence 16, Application US/09291417D
; Patent No. 6680170
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: MARTINEZ, RICARDO
; APPLICANT: WHYTE, DAVID
; TITLE OF INVENTION: STE20-RELATED PROTEIN KINASES
; FILE REFERENCE: 038602/0329
; CURRENT APPLICATION NUMBER: US/09/291,417D
; CURRENT FILING DATE: 1999-04-13
; PRIOR APPLICATION NUMBER: 60/081,784
; PRIOR FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
; LENGTH: 349
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-291-417D-16

Query Match 78.3%; Score 36; DB 2; Length 349;
Best Local Similarity 87.5%; Pred. No. 23;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 YLMDTSGK 8
|||||
Db 46 YLMDRSGK 53

RESULT 9
US-09-688-188B-105
; Sequence 105, Application US/09688188B
; Patent No. 6656716
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: MARTINEZ, RICARDO
; APPLICANT: WHYTE, DAVID
; TITLE OF INVENTION: STE20-RELATED PROTEIN KINASES
; FILE REFERENCE: 038602/0328
; CURRENT APPLICATION NUMBER: US/09/688,188B
; CURRENT FILING DATE: 2000-10-16
; PRIOR APPLICATION NUMBER: 09/291,417
; PRIOR FILING DATE: 1999-04-14
; PRIOR APPLICATION NUMBER: 60/081,784
; PRIOR FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 105
; LENGTH: 1227
; TYPE: PRT
; ORGANISM: Homo sapiens

US-09-688-188B-105

Query Match 78.3%; Score 36; DB 2; Length 1227;
Best Local Similarity 87.5%; Pred. No. 89;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 YLMDTSGK 8
|||||
Db 924 YLMDRSGK 931

RESULT 10
US-09-291-417D-105
; Sequence 105, Application US/09291417D
; Patent No. 6680170
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: MARTINEZ, RICARDO
; APPLICANT: WHYTE, DAVID
; TITLE OF INVENTION: STE20-RELATED PROTEIN KINASES
; FILE REFERENCE: 038602/0329
; CURRENT APPLICATION NUMBER: US/09/291,417D
; CURRENT FILING DATE: 1999-04-13
; PRIOR APPLICATION NUMBER: 60/081,784
; PRIOR FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 105
; LENGTH: 1227
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-291-417D-105

Query Match 78.3%; Score 36; DB 2; Length 1227;
Best Local Similarity 87.5%; Pred. No. 89;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 YLMDTSGK 8
|||||
Db 924 YLMDRSGK 931

RESULT 11
US-09-328-352-7651
; Sequence 7651, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 7651
; LENGTH: 254
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
US-09-328-352-7651

Query Match 76.1%; Score 35; DB 2; Length 254;
Best Local Similarity 87.5%; Pred. No. 26;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 2 LMDTSGKV 9
|:|||||
Db 197 LVDTSKGV 204

RESULT 12
US-09-949-016-6865
; Sequence 6865, Application US/09949016
; Patent No. 6812339

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; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6865
; LENGTH: 301
; TYPE: PRT
; ORGANISM: Human
; US-09-949-016-6865

Query Match 73.9%; Score 34; DB 2; Length 301;
Best Local Similarity 66.7%; Pred. No. 51;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 YLMDTSGKV 9
| | | | |
Db 138 YEMETSGKI 146

RESULT 13
US-09-949-016-9952
; Sequence 9952, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9952
; LENGTH: 333
; TYPE: PRT
; ORGANISM: Human
; US-09-949-016-9952

Query Match 73.9%; Score 34; DB 2; Length 333;
Best Local Similarity 66.7%; Pred. No. 57;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 YLMDTSGKV 9
| | | | |
Db 170 YEMETSGKI 178

RESULT 14
US-08-609-049A-12
; Sequence 12, Application US/08609049A
; Patent No. 5948664
; GENERAL INFORMATION:
; APPLICANT: Williams, Lewis T.
; APPLICANT: Molz, Lisa
; APPLICANT: Chen, Yen-Wen
; TITLE OF INVENTION: No. 5948664el PI 3-Kinase Polypeptides
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; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/08/609,049A
; APPLICATION NUMBER: US/08/609,049A
; FILING DATE: 29-FEB-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Dow, Karen B.
; REGISTRATION NUMBER: 29,684
; REFERENCE/DOCKET NUMBER: 2307K-063700US
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1876 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-609-049A-12

Query Match 73.9%; Score 34; DB 1; Length 1876;
Best Local Similarity 77.8%; Pred. No. 3.6e+02;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 YLMDTSGKV 9
| | | | |
Db 557 YMDTSGIKV 565

RESULT 15
US-08-609-049A-28
; Sequence 28, Application US/08609049A
; Patent No. 5948664
; GENERAL INFORMATION:
; APPLICANT: Williams, Lewis T.
; APPLICANT: Molz, Lisa
; APPLICANT: Chen, Yen-Wen
; TITLE OF INVENTION: No. 5948664el PI 3-Kinase Polypeptides
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/609,049A
; FILING DATE: 29-FEB-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Dow, Karen B.
; REGISTRATION NUMBER: 29,684
; REFERENCE/DOCKET NUMBER: 2307K-063700US
; TELECOMMUNICATION INFORMATION:
```

/ TELEPHONE: 415-326-2400
/ TELEFAX: 415-326-2422
/ INFORMATION FOR SEQ ID NO: 28:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1876 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ US-08-609-049A-28

Query Match 73.9%; Score 34; DB 1; Length 1876;
Best Local Similarity 77.8%; Pred. No. 3.6e+02;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 YLMDTSGKV 9
|:|||||
Db 557 YNMDTSIKV 565

Search completed: February 7, 2006, 12:49:38
Job time : 21.4894 secs

This Page Blank (uspto)

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: February 7, 2006, 13:34:34 ; Search time 64.8191 Seconds
(without alignments)
58.015 Million cell updates/sec

Title: US-10-006-177A-6
Perfect score: 46
Sequence: 1 YLMDTSKGV 9

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA Main:
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	46	100.0	9	US-10-006-177-6	Sequence 6, Appli
2	46	100.0	100	US-10-386-575-7	Sequence 7, Appli
3	46	100.0	229	US-11-035-703-13	Sequence 13, Appli
4	46	100.0	440	US-10-264-049-2376	Sequence 2376, Ap
5	46	100.0	616	US-10-372-686-7	Sequence 7, Appli
6	46	100.0	616	US-10-371-558-7	Sequence 7, Appli
7	46	100.0	616	US-10-300-453A-41	Sequence 41, Appli
8	46	100.0	616	US-10-375-553-7	Sequence 7, Appli
9	46	100.0	616	US-10-372-553-7	Sequence 7, Appli
10	38	82.6	237	US-10-472-928-1306	Sequence 1306, Ap
11	37	80.4	229	US-11-035-703-14	Sequence 14, Appli
12	37	80.4	609	US-10-372-686-6	Sequence 6, Appli
13	37	80.4	609	US-10-371-558-6	Sequence 6, Appli
14	37	80.4	609	US-10-375-553-6	Sequence 6, Appli
15	37	80.4	609	US-10-372-553-6	Sequence 6, Appli
16	37	80.4	2771	US-09-808-602-82	Sequence 82, Appli
17	37	80.4	2771	US-09-800-198-70	Sequence 70, Appli
18	36	78.3	349	US-09-291-417-16	Sequence 16, Appli
19	36	78.3	349	US-10-725-329-16	Sequence 16, Appli
20	36	78.3	349	US-10-725-121-16	Sequence 16, Appli
21	36	78.3	1227	US-09-291-417-105	Sequence 105, App
22	36	78.3	1227	US-10-725-329-105	Sequence 105, App
23	36	78.3	1227	US-10-725-121-105	Sequence 105, App
24	36	78.3	1539	US-10-840-512-207	Sequence 207, App
25	36	78.3	1581	US-10-415-011-16	Sequence 16, Appli
26	35	76.1	101	US-10-437-963-144707	Sequence 144707,
27	35	76.1	191	US-10-156-761-8434	Sequence 8434, Ap

ALIGNMENTS

RESULT 1

US-10-006-177-6
; Sequence 6, Application US/10006177
; Publication No. US20030165513A1
; GENERAL INFORMATION:
; APPLICANT: Ramakrishna, Venky
; APPLICANT: Ross, Mark
; APPLICANT: Philip, Ramila

; TITLE OF INVENTION: Cytotoxic T-Lymphocyte-Inducing Immunogens for Prevention, Treatm
; TITLE OF INVENTION: Diagnosis of Cancer
; FILE REFERENCE: 26747-35
; CURRENT APPLICATION NUMBER: US/10/006,177
; CURRENT FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: US/60/251,022
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: US/60/256,824
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 6
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Epitopic Peptide

US-10-006-177-6

Query Match 100.0%; Score 46; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.7e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YLMDTSKGV 9
Db 1 YLMDTSKGV 9

|||||
|||||

RESULT 2

US-10-386-575-7
; Sequence 7, Application US/10386575
; Publication No. US20040180342A1
; GENERAL INFORMATION:
; APPLICANT: Haseltine, Cynthia A.
; APPLICANT: Kowalczykowski, Stephen C.
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Multimers of S. solfatarius Single-Stranded
; TITLE OF INVENTION: DNA-Binding Protein and Methods of Use Thereof
; FILE REFERENCE: 023070-125300US
; CURRENT APPLICATION NUMBER: US/10/386,575
; CURRENT FILING DATE: 2003-03-11
; NUMBER OF SEQ ID NOS: 12

US-10-386-575-7

Query Match 100.0%; Score 46; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.7e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YLMDTSKGV 9
Db 1 YLMDTSKGV 9

|||||
|||||

RESULT 3

US-10-437-963-144707
; Sequence 144707, Application US/10/437,963
; Publication No. US20030165513A1
; GENERAL INFORMATION:
; APPLICANT: Ramakrishna, Venky
; APPLICANT: Ross, Mark
; APPLICANT: Philip, Ramila

; TITLE OF INVENTION: Cytotoxic T-Lymphocyte-Inducing Immunogens for Prevention, Treatm
; TITLE OF INVENTION: Diagnosis of Cancer
; FILE REFERENCE: 26747-35
; CURRENT APPLICATION NUMBER: US/10/006,177
; CURRENT FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: US/60/251,022
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: US/60/256,824
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 6
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Epitopic Peptide

US-10-006-177-6

Query Match 100.0%; Score 46; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.7e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YLMDTSKGV 9
Db 1 YLMDTSKGV 9

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|||||

RESULT 4

US-10-437-963-144707
; Sequence 144707, Application US/10/437,963
; Publication No. US20030165513A1
; GENERAL INFORMATION:
; APPLICANT: Ramakrishna, Venky
; APPLICANT: Ross, Mark
; APPLICANT: Philip, Ramila

; TITLE OF INVENTION: Cytotoxic T-Lymphocyte-Inducing Immunogens for Prevention, Treatm
; TITLE OF INVENTION: Diagnosis of Cancer
; FILE REFERENCE: 26747-35
; CURRENT APPLICATION NUMBER: US/10/006,177
; CURRENT FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: US/60/251,022
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: US/60/256,824
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 6
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Epitopic Peptide

US-10-006-177-6

Query Match 100.0%; Score 46; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.7e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YLMDTSKGV 9
Db 1 YLMDTSKGV 9

|||||
|||||

RESULT 5

US-10-437-963-144707
; Sequence 144707, Application US/10/437,963
; Publication No. US20030165513A1
; GENERAL INFORMATION:
; APPLICANT: Ramakrishna, Venky
; APPLICANT: Ross, Mark
; APPLICANT: Philip, Ramila

; TITLE OF INVENTION: Cytotoxic T-Lymphocyte-Inducing Immunogens for Prevention, Treatm
; TITLE OF INVENTION: Diagnosis of Cancer
; FILE REFERENCE: 26747-35
; CURRENT APPLICATION NUMBER: US/10/006,177
; CURRENT FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: US/60/251,022
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: US/60/256,824
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 6
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Epitopic Peptide

US-10-006-177-6

Query Match 100.0%; Score 46; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.7e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YLMDTSKGV 9
Db 1 YLMDTSKGV 9

|||||
|||||

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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 100
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (438)
; OTHER INFORMATION: replication protein A 70 kDa DNA-binding subunit
; OTHER INFORMATION: (RPA70) sedNA-binding domain
US-10-386-575-7

Query Match          100.0%; Score 46; DB 4; Length 100;
Best Local Similarity 100.0%; Pred. No. 0.25;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YLMDTSGKV 9
Db 47 YLMDTSGKV 55

RESULT 3
US-11-035-703-13
; Sequence 13, Application US/11035703
; Publication No. US20050164365A1
; GENERAL INFORMATION:
; APPLICANT: Kowalczykowski, Stephen C.
; APPLICANT: Chedin, Frederic
; APPLICANT: Seitz, Erica M.
; TITLE OF INVENTION: The Regents of the University of California
; TITLE OF INVENTION: Single Stranded DNA Binding Proteins From Archaea and
; FILE REFERENCE: 023070-097910US
; CURRENT APPLICATION NUMBER: US/11/035,703
; CURRENT FILING DATE: 2005-01-14
; PRIOR APPLICATION NUMBER: US/09/631,616
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/147,680
; PRIOR FILING DATE: 1999-08-06
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 229
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: RPA70 198-427
US-11-035-703-13

Query Match          100.0%; Score 46; DB 6; Length 229;
Best Local Similarity 100.0%; Pred. No. 0.6;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YLMDTSGKV 9
Db 149 YLMDTSGKV 157

RESULT 4
US-10-264-049-2376
; Sequence 2376, Application US/10264049
; Publication No. US20040005579A1
; GENERAL INFORMATION:
; APPLICANT: Birse et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA133PI
; CURRENT APPLICATION NUMBER: US/10/264,049
; CURRENT FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/18569
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: US 60/209,467
; PRIOR FILING DATE: 2000-06-07
; NUMBER OF SEQ ID NOS: 4360
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 2376
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; LENGTH: 440
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (438)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
US-10-264-049-2376

Query Match          100.0%; Score 46; DB 4; Length 440;
Best Local Similarity 100.0%; Pred. No. 1.2;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YLMDTSGKV 9
Db 180 YLMDTSGKV 188

RESULT 5
US-10-372-686-7
; Sequence 7, Application US/10372686
; Publication No. US20030159185A1
; GENERAL INFORMATION:
; APPLICANT: Mahajan, Pramod B.
; TITLE OF INVENTION: Replication Protein A and Use
; FILE REFERENCE: 0899D
; CURRENT APPLICATION NUMBER: US/10/372,686
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: US 09/396,149
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: US 60/123,896
; PRIOR FILING DATE: 1999-03-11
; PRIOR APPLICATION NUMBER: US 60/100,690
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 616
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-372-686-7

Query Match          100.0%; Score 46; DB 4; Length 616;
Best Local Similarity 100.0%; Pred. No. 1.7;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YLMDTSGKV 9
Db 347 YLMDTSGKV 355

RESULT 6
US-10-371-558-7
; Sequence 7, Application US/10371558
; Publication No. US20030163840A1
; GENERAL INFORMATION:
; APPLICANT: Mahajan, Pramod B.
; TITLE OF INVENTION: Replication Protein A and Use
; FILE REFERENCE: 0899D2
; CURRENT APPLICATION NUMBER: US/10/371,558
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: US 09/396,149
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: US 60/123,896
; PRIOR FILING DATE: 1999-03-11
; PRIOR APPLICATION NUMBER: US 60/100,690
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 616
; TYPE: PRT
; ORGANISM: Homo sapiens
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US-10-371-558-7

Query Match 100.0%; Score 46; DB 4; Length 616;
Best Local Similarity 100.0%; Pred. No. 1.7; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 0;

Qy 1 YLMDTSGKV 9
| | | | |
Db 347 YLMDTSGKV 355

RESULT 7

US-10-300-453A-41
; Sequence 41, Application US/10300453A
; Publication No. US20030165934A1
; GENERAL INFORMATION:
; APPLICANT: ELLEDGE, STEPHEN J.
; APPLICANT: CORTEZ, DAVID K.
; APPLICANT: ZOU, LEE
; TITLE OF INVENTION: METHODS AND COMPOSITIONS IN CHECKPOINT SIGNALING
; FILE REFERENCE: P02339US
; CURRENT APPLICATION NUMBER: US/10/300,453A
; CURRENT FILING DATE: 2003-03-12
; PRIOR APPLICATION NUMBER: 60/331,821
; PRIOR FILING DATE: 2001-11-20
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 41
; LENGTH: 616
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-300-453A-41

Query Match 100.0%; Score 46; DB 4; Length 616;
Best Local Similarity 100.0%; Pred. No. 1.7; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 0;

Qy 1 YLMDTSGKV 9
| | | | |
Db 347 YLMDTSGKV 355

RESULT 8

US-10-375-553-7
; Sequence 7, Application US/10375553
; Publication No. US20030174240A1
; GENERAL INFORMATION:
; APPLICANT: Mahajan, Pramod B.
; TITLE OF INVENTION: Replication Protein A and Use
; FILE REFERENCE: 0899D3
; CURRENT APPLICATION NUMBER: US/10/375,553
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: US 09/396,149
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: US 60/123,896
; PRIOR FILING DATE: 1999-03-11
; PRIOR APPLICATION NUMBER: US 60/100,690
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 616
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-375-553-7

Query Match 100.0%; Score 46; DB 4; Length 616;
Best Local Similarity 100.0%; Pred. No. 1.7; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 0;

Qy 1 YLMDTSGKV 9
| | | | |
Db 347 YLMDTSGKV 355

RESULT 9

US-10-372-553-7
; Sequence 7, Application US/10372553
; Publication No. US20040098769A1
; GENERAL INFORMATION:
; APPLICANT: Mahajan, Pramod B.
; TITLE OF INVENTION: Replication Protein A and Use
; FILE REFERENCE: 0899D3
; CURRENT APPLICATION NUMBER: US/10/372,553
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: US 09/396,149
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: US 60/123,896
; PRIOR FILING DATE: 1999-03-11
; PRIOR APPLICATION NUMBER: US 60/100,690
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 616
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-372-553-7

Query Match 100.0%; Score 46; DB 4; Length 616;
Best Local Similarity 100.0%; Pred. No. 1.7; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 0;

Qy 1 YLMDTSGKV 9
| | | | |
Db 347 YLMDTSGKV 355

RESULT 10

US-10-472-928-1306
; Sequence 1306, Application US/10472928
; Publication No. US20050020813A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: THE INSTITUTE FOR GENOMIC RESEARCH
; TITLE OF INVENTION: STREPTOCOCCUS PNEUMONIAE PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE: P026926W0
; CURRENT APPLICATION NUMBER: US/10/472,928
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: GB-0107658.7
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 4979
; SOFTWARE: SeqWin99, version 1.03
; SEQ ID NO 1306
; LENGTH: 237
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
; FEATURE:
; OTHER INFORMATION: hypothetical protein
; OTHER INFORMATION: Cellular location: membrane
; OTHER INFORMATION: Similar to strain R6 sequence 15902655 (e-127)
US-10-472-928-1306

Query Match 82.6%; Score 38; DB 5; Length 237;
Best Local Similarity 77.8%; Pred. No. 25; Indels 1; Gaps 0;
Matches 7; Conservative 1; Mismatches 1;

Qy 1 YLMDTSGKV 9
| | | | |
Db 38 YLMDTSGKV 46

RESULT 11

US-11-035-703-14
; Sequence 14, Application US/11035703
; Publication No. US20050164265A1

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; GENERAL INFORMATION:
; APPLICANT: Kowalczykowski, Stephen C.
; APPLICANT: Chedin, Frederic
; APPLICANT: Seitz, Erica M.
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Single Stranded DNA Binding Proteins From Archaea and
; TITLE OF INVENTION: Uses Therefor
; FILE REFERENCE: 023070-097910US
; CURRENT APPLICATION NUMBER: US/11/035,703
; CURRENT FILING DATE: 2005-01-14
; PRIOR APPLICATION NUMBER: US/09/631,616
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/147,680
; PRIOR FILING DATE: 1999-08-06
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 229
; TYPE: PRT
; ORGANISM: Xenopus laevis
; FEATURE:
; OTHER INFORMATION: RPA70 190-418
US-11-035-703-14

Query Match      80.4%; Score 37; DB 6; Length 229;
Best Local Similarity 77.8%; Pred. No. 39;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 YLMDTSGKV 9
Db      149 HLMDSGKV 157

RESULT 12
US-10-372-686-6
; Sequence 6, Application US/10372686
; Publication No. US20030159185A1
; GENERAL INFORMATION:
; APPLICANT: Mahajan, Pramod B.
; TITLE OF INVENTION: Replication Protein A and Use
; FILE REFERENCE: 0899D
; CURRENT APPLICATION NUMBER: US/10/372,686
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: US 09/396,149
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: US 60/123,896
; PRIOR FILING DATE: 1999-03-11
; PRIOR APPLICATION NUMBER: US 60/100,690
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 609
; TYPE: PRT
; ORGANISM: Xenopus laevis
US-10-372-686-6

Query Match      80.4%; Score 37; DB 4; Length 609;
Best Local Similarity 77.8%; Pred. No. 1.1e+02;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 YLMDTSGKV 9
Db      338 HLMDSGKV 346

RESULT 13
US-10-371-558-6
; Sequence 6, Application US/10371558
; Publication No. US20030163840A1
; GENERAL INFORMATION:
; APPLICANT: Mahajan, Pramod B.
; TITLE OF INVENTION: Replication Protein A and Use
; FILE REFERENCE: 0899D3
; CURRENT APPLICATION NUMBER: US/10/372,553
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: US 09/396,149
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: US 60/123,896
; PRIOR FILING DATE: 1999-03-11
; PRIOR APPLICATION NUMBER: US 60/100,690
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 609
; TYPE: PRT
; ORGANISM: Xenopus laevis
US-10-372-553-6

Query Match      80.4%; Score 37; DB 4; Length 609;
Best Local Similarity 77.8%; Pred. No. 1.1e+02;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 YLMDTSGKV 9
Db      338 HLMDSGKV 346

RESULT 14
US-10-375-553-6
; Sequence 6, Application US/10375553
; Publication No. US20030174240A1
; GENERAL INFORMATION:
; APPLICANT: Mahajan, Pramod B.
; TITLE OF INVENTION: Replication Protein A and Use
; FILE REFERENCE: 0899D3
; CURRENT APPLICATION NUMBER: US/10/375,553
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: US 09/396,149
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: US 60/123,896
; PRIOR FILING DATE: 1999-03-11
; PRIOR APPLICATION NUMBER: US 60/100,690
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 609
; TYPE: PRT
; ORGANISM: Xenopus laevis
US-10-375-553-6

Query Match      80.4%; Score 37; DB 4; Length 609;
Best Local Similarity 77.8%; Pred. No. 1.1e+02;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 YLMDTSGKV 9
Db      338 HLMDSGKV 346

RESULT 15
US-10-372-553-6
; Sequence 6, Application US/10372553
; Publication No. US20040098769A1
; GENERAL INFORMATION:
; APPLICANT: Mahajan, Pramod B.
; TITLE OF INVENTION: Replication Protein A and Use
; FILE REFERENCE: 0899D3
; CURRENT APPLICATION NUMBER: US/10/372,553
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: US 09/396,149
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: US 60/123,896
; PRIOR FILING DATE: 1999-03-11
; PRIOR APPLICATION NUMBER: US 60/100,690
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 609
; TYPE: PRT
; ORGANISM: Xenopus laevis
US-10-372-553-6

Query Match      80.4%; Score 37; DB 4; Length 609;
Best Local Similarity 77.8%; Pred. No. 1.1e+02;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 YLMDTSGKV 9
Db      338 HLMDSGKV 346
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; PRIOR APPLICATION NUMBER: US 60/100,690
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 609
; TYPE: PRT
; ORGANISM: Xenopus laevis
US-10-372-553-6
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Query Match      80.4%; Score 37; DB 4; Length 609;
Best Local Similarity 77.8%; Pred. NO. 1.le+02;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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QY      1 YLMDTSGKV 9
       :|||:||||
Db      338 HLMDSGKV 346
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Search completed: February 7, 2006, 13:47:30
Job time : 64.9191 secs
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GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: February 7, 2006, 13:36:27 ; Search time 4.30851 Seconds
(without alignments)
24.478 Million cell updates/sec

Title: US-10-006-177A-6
Perfect score: 46
Sequence: 1 YLMDTSGKV 9

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 88029 seqs, 11718060 residues

Total number of hits satisfying chosen parameters: 88029

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA New.*
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2: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
3: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
4: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
5: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
6: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
7: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
8: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	34	73.9	2769	US-11-113-424-14	Sequence 14, Appl
2	32	69.6	456	US-10-763-712A-121	Sequence 121, Appl
3	31	67.4	368	US-11-053-185-12	Sequence 12, Appl
4	31	67.4	409	US-11-055-822-290	Sequence 290, Appl
5	31	67.4	452	US-10-641-678-63	Sequence 63, Appl
6	31	67.4	491	US-11-053-185-22	Sequence 22, Appl
7	31	67.4	554	US-10-506-443A-36	Sequence 36, Appl
8	31	67.4	561	US-10-506-443A-34	Sequence 34, Appl
9	31	67.4	568	US-10-506-443A-30	Sequence 30, Appl
10	30	65.2	186	US-10-467-657-5598	Sequence 5598, Ap
11	30	65.2	338	US-11-052-554A-228	Sequence 228, App
12	30	65.2	436	US-11-043-889-58	Sequence 58, Appl
13	30	65.2	438	US-11-043-889-55	Sequence 55, Appl
14	30	65.2	608	US-10-873-528-8	Sequence 8, Appl
15	29	63.0	47	US-10-986-501-171	Sequence 171, App
16	29	63.0	217	US-10-467-657-1566	Sequence 1566, Ap
17	29	63.0	304	US-10-467-657-7616	Sequence 7616, Ap
18	29	63.0	416	US-10-467-657-5060	Sequence 5060, Ap
19	29	63.0	694	US-11-074-176-340	Sequence 340, App
20	29	63.0	697	US-11-074-176-150	Sequence 150, App
21	28	60.9	13	US-10-986-501-287	Sequence 287, App
22	28	60.9	134	US-10-986-501-295	Sequence 295, App
23	28	60.9	154	US-10-467-657-158	Sequence 158, App
24	28	60.9	154	US-10-467-657-6520	Sequence 6520, Ap
25	28	60.9	154	US-10-467-657-7634	Sequence 7634, Ap

26 28 60.9 180 7 US-11-176-830-751 Sequence 751, App
27 28 60.9 180 7 US-11-176-830-752 Sequence 752, App
28 28 60.9 205 6 US-10-821-234-968 Sequence 968, App
29 28 60.9 236 6 US-10-467-657-3480 Sequence 3480, Ap
30 28 60.9 315 6 US-10-453-372-380 Sequence 380, App
31 28 60.9 334 6 US-10-453-372-386 Sequence 386, App
32 28 60.9 341 6 US-10-453-372-378 Sequence 378, App
33 28 60.9 377 6 US-10-793-626-3014 Sequence 3014, Ap
34 28 60.9 382 7 US-11-024-959-296 Sequence 296, App
35 28 60.9 434 6 US-10-453-372-372 Sequence 372, App
36 28 60.9 437 6 US-10-753-537-19 Sequence 19, Appl
37 28 60.9 439 6 US-10-453-372-384 Sequence 384, App
38 28 60.9 448 7 US-11-077-550-177 Sequence 177, App
39 28 60.9 454 7 US-11-077-550-72 Sequence 72, Appl
40 28 60.9 454 7 US-11-077-550-74 Sequence 74, Appl
41 28 60.9 454 7 US-11-077-550-76 Sequence 76, Appl
42 28 60.9 454 7 US-11-077-550-78 Sequence 78, Appl
43 28 60.9 455 6 US-10-847-867-1 Sequence 1, Appl
44 28 60.9 455 6 US-10-847-867-28 Sequence 28, Appl
45 28 60.9 455 6 US-10-847-867-29 Sequence 29, Appl

ALIGNMENTS

RESULT 1
US-11-113-424-14
; Sequence 14, Application US/11113424
; Publication No. US20050260713A1
; GENERAL INFORMATION:
; APPLICANT: Gangolli et al.
; TITLE OF INVENTION: Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-225
; CURRENT APPLICATION NUMBER: US/11/113,424
; CURRENT FILING DATE: 2005-04-21
; PRIOR APPLICATION NUMBER: 60/256,704
; PRIOR FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: 60/311,590
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/257,314
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: 60/311,613
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/315,617
; PRIOR FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: 60/307,506
; PRIOR FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: 60/322,358
; PRIOR FILING DATE: 2001-09-14
; PRIOR APPLICATION NUMBER: 60/294,075
; PRIOR FILING DATE: 2001-05-29
; PRIOR APPLICATION NUMBER: 60/288,153
; PRIOR FILING DATE: 2001-05-02
; NUMBER OF SEQ ID NOS: 190
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 14
; TYPE: PPT
; LENGTH: 2769
; ORGANISM: Homo sapiens
US-11-113-424-14

Query Match 73.9%; Score 34; DB 7; Length 2769;
Best Local Similarity 75.0%; Pred. No. 71;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 YLMDTSGK 8
|||:|
Db 1587 YLFDTTGK 1594

RESULT 2
US-10-763-712A-121
; Sequence 121, Application US/10763712A

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; Publication No. US20050266541A1
; GENERAL INFORMATION:
; APPLICANT: Solazyme, Inc.
; APPLICANT: Dillon, Harrison F.
; TITLE OF INVENTION: Methods and Compositions for Evolving Microbial Hydrogen
; TITLE OF INVENTION: Production
; FILE REFERENCE: H2042101-CIP
; CURRENT APPLICATION NUMBER: US/10/763,712A
; CURRENT FILING DATE: 2004-01-21
; PRIOR APPLICATION NUMBER: US 10/287,750
; PRIOR FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: US 10/411,910
; PRIOR FILING DATE: 2003-04-12
; PRIOR APPLICATION NUMBER: US 60/500,032
; PRIOR FILING DATE: 2003-09-03
; NUMBER OF SEQ ID NOS: 184
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 121
; LENGTH: 456
; TYPE: PRT
; ORGANISM: Methanosarcina barkeri
US-10-763-712A-121

Query Match          69.6%; Score 32; DB 6; Length 456;
Best Local Similarity 85.7%; Pred. No. 26;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 3 MDTSGKV 9
Db 353 LDTSGKV 359

RESULT 3
US-11-053-185-12
; Sequence 12, Application US/11053185
; Publication No. US20050267023A1
; GENERAL INFORMATION:
; APPLICANT: SINCLAIR, DAVID A.
; APPLICANT: BITTERMAN, KEVIN J.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR EXTENDING THE LIFE SPAN
; TITLE OF INVENTION: AND INCREASING THE STRESS RESISTANCE OF CELLS AND
; TITLE OF INVENTION: ORGANISMS
; FILE REFERENCE: HMV-085.01
; CURRENT APPLICATION NUMBER: US/11/053,185
; CURRENT FILING DATE: 2005-02-08
; PRIOR APPLICATION NUMBER: PCT/US03/025016
; PRIOR FILING DATE: 2003-08-08
; PRIOR APPLICATION NUMBER: 60/402,254
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 60/428,614
; PRIOR FILING DATE: 2002-11-22
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 12
; LENGTH: 368
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-053-185-12

Query Match          67.4%; Score 31; DB 7; Length 368;
Best Local Similarity 55.6%; Pred. No. 34;
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 YLMDTSGKV 9
Db 175 YLLETSGNL 183

RESULT 4
US-11-055-822-290
; Sequence 290, Application US/11055822
; Publication No. US20050260707A1
; GENERAL INFORMATION:

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; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberkauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
; TITLE OF INVENTION: METABOLIC PATHWAY PROTEINS
; FILE REFERENCE: BGI-121CPCN
; CURRENT APPLICATION NUMBER: US/11/055,822
; CURRENT FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: 09/606,740
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/141,031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 60/142,101
; PRIOR FILING DATE: 1999-07-02
; PRIOR APPLICATION NUMBER: 60/148,613
; PRIOR FILING DATE: 1999-08-12
; PRIOR APPLICATION NUMBER: 60/187,970
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: DE 19930476.9
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931415.2
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931418.7
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931419.5
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931420.9
; PRIOR FILING DATE: 1999-07-08
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1158
; SEQ ID NO 290
; LENGTH: 409
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-11-055-822-290

Query Match          67.4%; Score 31; DB 7; Length 409;
Best Local Similarity 55.6%; Pred. No. 38;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 YLMDTSGKV 9
Db 312 YAADTAGKI 320

RESULT 5
US-10-641-678-63
; Sequence 63, Application US/10641678
; Publication No. US2005027172A1
; GENERAL INFORMATION:
; APPLICANT: Day, Anthony, G.
; APPLICANT: Goedegebuur, Frits
; APPLICANT: Gualfetti, Peter
; APPLICANT: Mitchinson, Colin
; APPLICANT: Neefe, Paulien
; APPLICANT: Sandgren, Mats
; APPLICANT: Shaw, Andrew
; APPLICANT: Stahlberg, Jerry
; TITLE OF INVENTION: Novel Variant Hypocrea jecorina CBH1
; TITLE OF INVENTION: Cellulases
; FILE REFERENCE: GC772-3
; CURRENT APPLICATION NUMBER: US/10/641,678
; CURRENT FILING DATE: 2003-08-15
; PRIOR APPLICATION NUMBER: US 60/458,853
; PRIOR FILING DATE: 2003-03-27
; PRIOR APPLICATION NUMBER: US 60/458,696
; PRIOR FILING DATE: 2003-03-27
; PRIOR APPLICATION NUMBER: US 60/456,368
; PRIOR FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: US 60/404,063
; PRIOR FILING DATE: 2002-08-16

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; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 63
; LENGTH: 452
; TYPE: PRT
; ORGANISM: Aspergillus niger
US-10-641-678-63

Query Match 67.4%; Score 31; DB 6; Length 452;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLMDTS 6
Db 123 YLMDTS 128

RESULT 6
US-11-053-185-22
; Sequence 22, Application US/11053185
; Publication No. US20050267023A1
; GENERAL INFORMATION:
; APPLICANT: SINCLAIR, DAVID A.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR EXTENDING THE LIFE SPAN
; TITLE OF INVENTION: AND INCREASING THE STRESS RESISTANCE OF CELLS AND
; FILE REFERENCE: HMV-085.01
; CURRENT APPLICATION NUMBER: US/11/053,185
; CURRENT FILING DATE: 2005-02-08
; PRIOR APPLICATION NUMBER: PCT/US03/025016
; PRIOR FILING DATE: 2003-08-08
; PRIOR APPLICATION NUMBER: 60/402,254
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 60/428,614
; PRIOR FILING DATE: 2002-11-22
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 22
; LENGTH: 491
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-053-185-22

Query Match 67.4%; Score 31; DB 7; Length 491;
Best Local Similarity 55.6%; Pred. No. 46;
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 YLMDTSKV 9
Db 175 YLLETSGNL 183

RESULT 7
US-10-506-443A-36
; Sequence 36, Application US/10506443A
; Publication No. US20060013817A1
; GENERAL INFORMATION:
; APPLICANT: Sahin Dr., Ugur
; APPLICANT: Tureci Dr., Ozlem
; APPLICANT: Koslowski Dr., Michael
; TITLE OF INVENTION: Genetic Products Differentially Expressed in Tumors and Use There
; FILE REFERENCE: 342-3PCT
; CURRENT APPLICATION NUMBER: US/10/506,443A
; CURRENT FILING DATE: 2004-09-01
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 36
; LENGTH: 554
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-506-443A-36

Query Match 67.4%; Score 31; DB 6; Length 554;
Best Local Similarity 55.6%; Pred. No. 53;
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 YLMDTSKV 9
Db 190 HTMDSSGKI 198

RESULT 8
US-10-506-443A-34
; Sequence 34, Application US/10506443A
; Publication No. US20060013817A1
; GENERAL INFORMATION:
; APPLICANT: Sahin Dr., Ugur
; APPLICANT: Tureci Dr., Ozlem
; APPLICANT: Koslowski Dr., Michael
; TITLE OF INVENTION: Genetic Products Differentially Expressed in Tumors and Use There
; FILE REFERENCE: 342-3PCT
; CURRENT APPLICATION NUMBER: US/10/506,443A
; CURRENT FILING DATE: 2004-09-01
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 34
; LENGTH: 561
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-506-443A-34

Query Match 67.4%; Score 31; DB 6; Length 561;
Best Local Similarity 55.6%; Pred. No. 53;
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 YLMDTSKV 9
Db 197 HTMDSSGKI 205

RESULT 9
US-10-506-443A-30
; Sequence 30, Application US/10506443A
; Publication No. US20060013817A1
; GENERAL INFORMATION:
; APPLICANT: Sahin Dr., Ugur
; APPLICANT: Tureci Dr., Ozlem
; APPLICANT: Koslowski Dr., Michael
; TITLE OF INVENTION: Genetic Products Differentially Expressed in Tumors and Use There
; FILE REFERENCE: 342-3PCT
; CURRENT APPLICATION NUMBER: US/10/506,443A
; CURRENT FILING DATE: 2004-09-01
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 30
; LENGTH: 568
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-506-443A-30

Query Match 67.4%; Score 31; DB 6; Length 568;
Best Local Similarity 55.6%; Pred. No. 54;
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 YLMDTSKV 9
Db 196 HTMDSSGKI 204

RESULT 10
US-10-467-657-5598
; Sequence 5598, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA

```
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 5598
; LENGTH: 186
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-5598

Query Match          65.2%; Score 30; DB 6; Length 186;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      4 DTSGBK 9
Db      144 DTSGBK 149

RESULT 11
US-11-052-554A-228
; Sequence 228, Application US/11052554A
; Publication No. US2005028866A1
; GENERAL INFORMATION:
; APPLICANT: Sachdeva, et al.
; TITLE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE
; TITLE OF INVENTION: PROTEINS OF THERAPEUTIC POTENTIAL
; FILE REFERENCE: 30853/40359A
; CURRENT APPLICATION NUMBER: US/11/052,554A
; CURRENT FILING DATE: 2005-02-07
; PRIOR APPLICATION NUMBER: US 60/589,227
; PRIOR FILING DATE: 2004-07-20
; PRIOR APPLICATION NUMBER: IN 173/DEL/2004
; PRIOR FILING DATE: 2004-02-06
; NUMBER OF SEQ ID NOS: 763
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 228
; LENGTH: 338
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae R6
US-11-052-554A-228

Query Match          65.2%; Score 30; DB 7; Length 338;
Best Local Similarity 55.6%; Pred. No. 50;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy      1 YLMDTSKV 9
Db      209 YLMDASGKM 217

RESULT 12
US-11-043-889-58
; Sequence 58, Application US/11043889
; Publication No. US20060008819A1
; GENERAL INFORMATION:
; APPLICANT: Gluckman, Maria Alexandra
; APPLICANT: Curtiss, Rory A.J.
; APPLICANT: Meyers, Rachel E.
; TITLE OF INVENTION: NOVEL 38594, 57312, 53659, 57250, 63760, 49938, 32146,
; TITLE OF INVENTION: 57259, 67118, 67067, 62092, FBH58295FL, 57255,
; TITLE OF INVENTION: AND 57255salt MOLECULES AND USES THEREFOR
; FILE REFERENCE: MPI02-095DVIOMNIM
; CURRENT APPLICATION NUMBER: US/11/043,889
; CURRENT FILING DATE: 2005-01-26
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; PRIOR APPLICATION NUMBER: US 10/154,419
; PRIOR FILING DATE: 2002-05-22
; PRIOR APPLICATION NUMBER: US 09/858194
; PRIOR FILING DATE: 2001-05-14
; PRIOR APPLICATION NUMBER: US 60/204211
; PRIOR FILING DATE: 2000-05-12
; PRIOR APPLICATION NUMBER: US 09/895811
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/215376
; PRIOR FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: US 09/919781
; PRIOR FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: US 60/221769
; PRIOR FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: US 09/957664
; PRIOR FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: US 60/233790
; PRIOR FILING DATE: 2000-09-19
; PRIOR APPLICATION NUMBER: US 09/964295
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 59
; SOFTWARE: FastSEQ Version 4.0
; SEQ ID NO 58
; LENGTH: 436
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-043-889-58

Query Match          65.2%; Score 30; DB 7; Length 436;
Best Local Similarity 71.4%; Pred. No. 66;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 YLMDTSG 7
Db      392 YLMDTTG 398

RESULT 13
US-11-043-889-55
; Sequence 55, Application US/11043889
; Publication No. US20060008819A1
; GENERAL INFORMATION:
; APPLICANT: Curtiss, Rory A.J.
; APPLICANT: Gluckman, Maria Alexandra
; APPLICANT: Meyers, Rachel E.
; TITLE OF INVENTION: NOVEL 38594, 57312, 53659, 57250, 63760, 49938, 32146,
; TITLE OF INVENTION: 57259, 67118, 67067, 62092, FBH58295FL, 57255,
; TITLE OF INVENTION: AND 57255salt MOLECULES AND USES THEREFOR
; FILE REFERENCE: MPI02-095DVIOMNIM
; CURRENT APPLICATION NUMBER: US/11/043,889
; CURRENT FILING DATE: 2005-01-26
; PRIOR APPLICATION NUMBER: US 10/154,419
; PRIOR FILING DATE: 2002-05-22
; PRIOR APPLICATION NUMBER: US 09/858194
; PRIOR FILING DATE: 2001-05-14
; PRIOR APPLICATION NUMBER: US 60/204211
; PRIOR FILING DATE: 2000-05-12
; PRIOR APPLICATION NUMBER: US 09/895811
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/215376
; PRIOR FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: US 09/919781
; PRIOR FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: US 60/221769
; PRIOR FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: US 09/957664
; PRIOR FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: US 60/233790
; PRIOR FILING DATE: 2000-09-19
; PRIOR APPLICATION NUMBER: US 09/964295
; PRIOR FILING DATE: 2001-09-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
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; NUMBER OF SEQ ID NOS: 59
; SOFTWARE: FastSeq Version 4.0
; SEQ ID NO 55
; LENGTH: 438
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-043-889-55

Query Match 65.2%; Score 30; DB 7; Length 438;
Best Local Similarity 71.4%; Pred. No. 66;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 YLMDTSG 7
|||:|:
DB 394 YLMTTGT 400

RESULT 14

US-10-873-528-8
; Sequence 8, Application US/10873528
; Publication No. US20050276814A1
; GENERAL INFORMATION:
; APPLICANT: Microbial Technics Limited
; APPLICANT: Gilbert, Christophe FG
; APPLICANT: Hansbro, Philip M
; TITLE OF INVENTION: Proteins
; FILE REFERENCE: PWC/P21129WO
; CURRENT APPLICATION NUMBER: US/10/873,528
; CURRENT FILING DATE: 2004-06-23
; PRIOR APPLICATION NUMBER: US/09/769,787
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: GB 9816337.1
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: US 60/125164
; PRIOR FILING DATE: 1999-03-19
; NUMBER OF SEQ ID NOS: 388
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 608
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-10-873-528-8

Query Match 65.2%; Score 30; DB 6; Length 608;
Best Local Similarity 55.6%; Pred. No. 94;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 YLMDTSGKV 9
:|:|:
DB 200 FLFDESGKI 208

RESULT 15

US-10-986-501-171
; Sequence 171, Application US/10986501
; Publication No. US20050244845A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 90 Human Secreted Proteins
; FILE REFERENCE: PZ013P2C1
; CURRENT APPLICATION NUMBER: US/10/986,501
; CURRENT FILING DATE: 2004-11-12
; PRIOR APPLICATION NUMBER: US/10/621,363
; PRIOR FILING DATE: 2003-07-18
; PRIOR APPLICATION NUMBER: 09/969,730
; PRIOR FILING DATE: 2001-10-06
; PRIOR APPLICATION NUMBER: 09/774,639
; PRIOR FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 60/238,291
; PRIOR FILING DATE: 2000-10-06
; PRIOR APPLICATION NUMBER: 09/244,112
; PRIOR FILING DATE: 1999-02-04
; PRIOR APPLICATION NUMBER: PCT/US98/16235

; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 60/056,371
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: 60/056,732
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: 60/056,366
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: 60/056,364
; PRIOR FILING DATE: 1997-08-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 373
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 171
; LENGTH: 47
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-986-501-171

Query Match 63.0%; Score 29; DB 6; Length 47;
Best Local Similarity 55.6%; Pred. No. 9.6;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 YLMDTSGKV 9
||:|:
DB 20 YLLTPSGKI 28

Search completed: February 7, 2006, 13:48:19
Job time : 4.40851 secs

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Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: February 7, 2006, 12:45:47 ; Search time 20.4894 Seconds
(without alignments)
36.315 Million cell updates/sec

Title: US-10-006-177A-7
Perfect score: 48
Sequence: 1 ILDDIGHGV 9

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Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
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4: /cgn2_6/prodata/1/1aa/PCTUS COMB.pdp.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	48	100.0	47	1	US-08-549-004A-13
2	48	100.0	47	2	US-09-051-982A-13
3	48	100.0	401	1	US-08-549-004A-5
4	48	100.0	401	1	US-09-051-982A-5
5	46	95.8	239	1	US-08-665-647-11
6	46	95.8	480	2	US-09-189-035-5
7	46	95.8	480	2	US-09-382-086-5
8	46	95.8	531	2	US-09-949-016-8074
9	43	89.6	366	2	US-09-377-285B-20
10	43	89.6	366	2	US-10-192-381-20
11	43	89.6	370	2	US-09-377-285B-16
12	43	89.6	370	2	US-10-192-381-16
13	43	89.6	476	2	US-09-189-035-1
14	43	89.6	476	2	US-09-382-086-1
15	40	83.3	552	2	US-09-252-991A-27032
16	38	79.2	362	2	US-09-252-991A-20079
17	38	79.2	483	2	US-09-252-991A-20406
18	36	75.0	255	2	US-09-489-039A-9075
19	36	75.0	299	2	US-09-543-681A-5982
20	36	75.0	465	2	US-09-252-991A-29387
21	36	75.0	677	2	US-09-252-991A-20406
22	35	72.9	88	2	US-09-727-739B-5
23	35	72.9	114	2	US-09-727-739B-3
24	35	72.9	217	2	US-09-252-991A-22705
25	35	72.9	321	2	US-09-252-991A-24233
26	35	72.9	585	2	US-09-252-991A-32321
27	34	70.8	184	2	US-09-384-162-12

28	34	70.8	216	1	US-08-546-712-2	Sequence 2, Appli
29	34	70.8	216	1	US-08-751-105-2	Sequence 2, Appli
30	34	70.8	267	1	US-07-857-224B-37	Sequence 37, Appl
31	34	70.8	317	2	US-09-134-000C-5669	Sequence 5669, Ap
32	34	70.8	367	2	US-08-888-429A-13	Sequence 13, Appl
33	34	70.8	367	2	US-09-593-653-13	Sequence 13, Appl
34	34	70.8	376	2	US-10-081-644-4	Sequence 4, Appli
35	34	70.8	385	2	US-09-252-991A-21405	Sequence 21405, A
36	34	70.8	387	2	US-09-252-991A-22990	Sequence 22990, A
37	34	70.8	464	2	US-09-252-991A-16660	Sequence 16660, A
38	34	70.8	514	2	US-09-252-991A-30600	Sequence 30600, A
39	34	70.8	580	2	US-09-252-991A-24206	Sequence 24206, A
40	34	70.8	668	1	US-08-530-950-13	Sequence 13, Appl
41	34	70.8	668	2	US-09-149-879-13	Sequence 13, Appl
42	34	70.8	668	2	US-09-057-009-13	Sequence 13, Appl
43	34	70.8	668	2	US-09-487-558B-238	Sequence 238, App
44	33	68.8	62	2	US-09-252-991A-23533	Sequence 23533, A
45	33	68.8	224	2	US-09-583-110-2737	Sequence 2737, Ap

ALIGNMENTS

RESULT 1
US-08-549-004A-13
; Sequence 13, Application US/08549004A
; Patent No. 5969101
; GENERAL INFORMATION:
; APPLICANT: PENDERGAST, ANN MARIE
; APPLICANT: DAI, ZONGHAN
; TITLE OF INVENTION: ABL-INTERACTOR PROTEIN
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/549,004A
; FILING DATE: 27-OCT-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: WILSON, MARY J.
; REGISTRATION NUMBER: 32,955
; REFERENCE/DOCKET NUMBER: 1579-103
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 47 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-549-004A-13

Query Match 100.0%; Score 48; DB 1; Length 47;
Best Local Similarity 100.0%; Pred. No. 0.041;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ILDDIGHGV 9
DB 30 ILDDIGHGV 38

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RESULT 2
US-09-051-982A-13
; Sequence 13, Application US/09051982A
; Patent No. 6255074
; GENERAL INFORMATION:
; APPLICANT: PENDERGAST, ANN MARIE
; APPLICANT: DAI, ZONGHAN
; TITLE OF INVENTION: ABL-INTERACTOR PROTEIN
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHUYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/051,982A
; FILING DATE: 08-JUL-1998
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: WILSON, MARY J.
; REGISTRATION NUMBER: 32,955
; REFERENCE/DOCKET NUMBER: 1579-193
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4000
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 47 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-051-982A-13

Query Match 100.0%; Score 48; DB 2; Length 47;
Best Local Similarity 100.0%; Pred. No. 0.041;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ILDDIGHGV 9
Db 30 ILDDIGHGV 38

RESULT 3
US-08-549-004A-5
; Sequence 5, Application US/08549004A
; Patent No. 5969101
; GENERAL INFORMATION:
; APPLICANT: PENDERGAST, ANN MARIE
; APPLICANT: DAI, ZONGHAN
; TITLE OF INVENTION: ABL-INTERACTOR PROTEIN
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHUYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/549,004A

Query Match 100.0%; Score 48; DB 2; Length 47;
Best Local Similarity 100.0%; Pred. No. 0.041;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ILDDIGHGV 9
Db 30 ILDDIGHGV 38

RESULT 4
US-09-051-982A-5
; Sequence 5, Application US/09051982A
; Patent No. 6255074
; GENERAL INFORMATION:
; APPLICANT: PENDERGAST, ANN MARIE
; APPLICANT: DAI, ZONGHAN
; TITLE OF INVENTION: ABL-INTERACTOR PROTEIN
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHUYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/051,982A
; FILING DATE: 08-JUL-1998
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: WILSON, MARY J.
; REGISTRATION NUMBER: 32,955
; REFERENCE/DOCKET NUMBER: 1579-193
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4000
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: linear
; US-09-051-982A-5

Query Match 100.0%; Score 48; DB 1; Length 401;
Best Local Similarity 100.0%; Pred. No. 0.44;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ILDDIGHGV 9
Db 100 ILDDIGHGV 108

RESULT 5
US-08-549-004A-5
; Sequence 5, Application US/08549004A
; Patent No. 5969101
; GENERAL INFORMATION:
; APPLICANT: PENDERGAST, ANN MARIE
; APPLICANT: DAI, ZONGHAN
; TITLE OF INVENTION: ABL-INTERACTOR PROTEIN
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHUYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/549,004A

Query Match 100.0%; Score 48; DB 2; Length 401;
Best Local Similarity 100.0%; Pred. No. 0.44;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8074
; LENGTH: 531

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; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8074

Query Match          95.8%; Score 46; DB 2; Length 531;
Best Local Similarity 77.8%; Pred. No. 1.4;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 ILDDIGHGV 9
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Db 170 VLDDVGHGV 178

RESULT 9
US-09-377-285B-20
; Sequence 20, Application US/09377285B
; Patent No. 6720175
; GENERAL INFORMATION:
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
; APPLICANT: WORLEY, Paul
; APPLICANT: TU, Jian
; APPLICANT: XIAO, Bo
; APPLICANT: LEAHY, Daniel
; APPLICANT: BENEKEN, Jutta
; APPLICANT: LANAHAN, Anthony
; TITLE OF INVENTION: NUCLEIC ACID MOLECULE ENCODING HOMER 1b PROTEIN (AS AMENDED)
; FILE REFERENCE: JHUI580-4
; CURRENT APPLICATION NUMBER: US/09/377,285B
; CURRENT FILING DATE: 1999-08-18
; PRIOR APPLICATION NUMBER: US 60/138,426
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,493
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,494
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/097,334
; PRIOR FILING DATE: 1998-08-18
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-377-285B-20

Query Match          89.6%; Score 43; DB 2; Length 366;
Best Local Similarity 87.5%; Pred. No. 3.4;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 LDDIGHGV 9
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Db 146 LDDIGHGI 153

RESULT 10
US-10-192-381-20
; Sequence 20, Application US/10192381
; Patent No. 6864083
; GENERAL INFORMATION:
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
; APPLICANT: WORLEY, Paul
; APPLICANT: TU, Jian
; APPLICANT: XIAO, Bo
; APPLICANT: LEAHY, Daniel
; APPLICANT: BENEKEN, Jutta
; APPLICANT: LANAHAN, Anthony
; TITLE OF INVENTION: NUCLEIC ACID MOLECULE ENCODING HOMER 1b PROTEIN (AS AMENDED)
; FILE REFERENCE: JHUI580-4
; CURRENT APPLICATION NUMBER: US/10/192,381
; CURRENT FILING DATE: 2002-07-09
; PRIOR APPLICATION NUMBER: US/09/377,285
; PRIOR FILING DATE: 1999-08-18
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; PRIOR APPLICATION NUMBER: US 60/138,426
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,493
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,494
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/097,334
; PRIOR FILING DATE: 1998-08-18
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-192-381-20

Query Match          89.6%; Score 43; DB 2; Length 366;
Best Local Similarity 87.5%; Pred. No. 3.4;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 LDDIGHGV 9
   :|||:||||
Db 146 LDDIGHGI 153

RESULT 11
US-09-377-285B-16
; Sequence 16, Application US/09377285B
; Patent No. 6720175
; GENERAL INFORMATION:
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
; APPLICANT: WORLEY, Paul
; APPLICANT: TU, Jian
; APPLICANT: XIAO, Bo
; APPLICANT: LEAHY, Daniel
; APPLICANT: BENEKEN, Jutta
; APPLICANT: LANAHAN, Anthony
; TITLE OF INVENTION: NUCLEIC ACID MOLECULE ENCODING HOMER 1b PROTEIN (AS AMENDED)
; FILE REFERENCE: JHUI580-4
; CURRENT APPLICATION NUMBER: US/09/377,285B
; CURRENT FILING DATE: 1999-08-18
; PRIOR APPLICATION NUMBER: US 60/138,426
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,493
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,494
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/097,334
; PRIOR FILING DATE: 1998-08-18
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 16
; LENGTH: 370
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-377-285B-16

Query Match          89.6%; Score 43; DB 2; Length 370;
Best Local Similarity 87.5%; Pred. No. 3.4;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 LDDIGHGV 9
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Db 152 LDDVGHGV 159

RESULT 12
US-10-192-381-16
; Sequence 16, Application US/10192381
; Patent No. 6864083
; GENERAL INFORMATION:
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
; APPLICANT: WORLEY, Paul
```

```
; APPLICANT: TU, Jian
; APPLICANT: XIAO, Bo
; APPLICANT: LEAHY, Daniel
; APPLICANT: BENEKEN, Jutta
; APPLICANT: LANAHAN, Anthony
; TITLE OF INVENTION: NUCLEIC ACID MOLECULE ENCODING HOMER 1b PROTEIN (AS
; FILE REFERENCE: JHU1580-4
; CURRENT APPLICATION NUMBER: US/10/192,381
; PRIOR FILING DATE: 2002-07-09
; PRIOR APPLICATION NUMBER: US/09/377,285
; PRIOR FILING DATE: 1999-08-18
; PRIOR APPLICATION NUMBER: US 60/138,426
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,493
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,494
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/097,334
; PRIOR FILING DATE: 1998-08-18
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 16
; LENGTH: 370
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-192-381-16
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Query Match 89.6%; Score 43; DB 2; Length 370;
Best Local Similarity 87.5%; Pred. No. 3.4;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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Qy 2 LDDIGHGV 9
Db 152 LDDVGHGV 159
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RESULT 13
US-09-189-035-1
; Sequence 1, Application US/09189035
; Patent No. 6020165
; GENERAL INFORMATION:
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Baughn, Mariah R.
; TITLE OF INVENTION: CYTOKINE SIGNAL REGULATORS
; FILE REFERENCE: PF-0638 US
; CURRENT APPLICATION NUMBER: US/09/189,035
; CURRENT FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PERL Program
; SEQ ID NO 1
; LENGTH: 476
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE: -
; OTHER INFORMATION: 2280326
US-09-189-035-1
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Query Match 89.6%; Score 43; DB 2; Length 476;
Best Local Similarity 87.5%; Pred. No. 4.5;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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Qy 2 LDDIGHGV 9
Db 256 LDDIGHGI 263
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RESULT 14
US-09-382-086-1
; Sequence 1, Application US/09382086
; Patent No. 6201106
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; GENERAL INFORMATION:
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Baughn, Mariah R.
; TITLE OF INVENTION: CYTOKINE SIGNAL REGULATORS
; FILE REFERENCE: PF-0638 US
; CURRENT APPLICATION NUMBER: US/09/382,086
; CURRENT FILING DATE: 1999-08-24
; EARLIER APPLICATION NUMBER: 09/189,035
; EARLIER FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PERL Program
; SEQ ID NO 1
; LENGTH: 476
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE: -
; OTHER INFORMATION: 2280326
US-09-382-086-1
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Query Match 89.6%; Score 43; DB 2; Length 476;
Best Local Similarity 87.5%; Pred. No. 4.5;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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Qy 2 LDDIGHGV 9
Db 256 LDDIGHGI 263
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RESULT 15
US-09-252-991A-27032
; Sequence 27032, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 27032
; LENGTH: 552
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-27032
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Query Match 83.3%; Score 40; DB 2; Length 552;
Best Local Similarity 75.0%; Pred. No. 19;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 ILDDIGHG 8
Db 426 LDDIGHG 433
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Search completed: February 7, 2006, 12:49:39
Job time : 21.4894 secs
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GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: February 7, 2006, 13:34:34 ; Search time 64.8191 Seconds
(without alignments)
58.015 Million cell updates/sec

Title: US-10-006-177A-7
Perfect score: 48
Sequence: 1 ILDDIGHGV 9

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_AA_Main:
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	48	100.0	9	4	US-10-006-177-7
2	48	100.0	475	5	US-10-756-149-5477
3	46	95.8	173	4	US-10-106-698-4392
4	43	89.6	366	6	US-10-192-381-20
5	43	89.6	366	6	US-11-008-889-20
6	43	89.6	370	4	US-10-192-381-16
7	43	89.6	370	6	US-11-008-889-16
8	40	83.3	473	6	US-11-097-143-20694
9	39	81.2	259	4	US-10-425-114-51295
10	39	81.2	380	5	US-10-450-763-37847
11	39	81.2	500	4	US-10-425-114-70502
12	39	81.2	629	5	US-10-450-763-34877
13	37	77.1	154	4	US-10-437-963-196639
14	36	75.0	151	4	US-10-425-115-342550
15	36	75.0	185	4	US-10-767-701-57517
16	36	75.0	378	4	US-10-425-114-39429
17	36	75.0	402	4	US-10-425-115-356942
18	36	75.0	416	5	US-10-469-204-144
19	36	75.0	746	4	US-10-437-963-146802
20	35	72.9	49	4	US-10-437-963-106596
21	35	72.9	68	4	US-10-029-386-28599
22	35	72.9	88	3	US-09-727-739B-5
23	35	72.9	114	3	US-09-727-739B-3
24	35	72.9	133	4	US-10-767-701-38338
25	35	72.9	160	4	US-10-424-599-217079
26	35	72.9	174	4	US-10-425-114-52263
27	35	72.9	219	4	US-10-425-115-212629

28	35	72.9	262	6	US-11-011-913-1	Sequence 1, Appli
29	35	72.9	273	4	US-10-767-701-41564	Sequence 41564, A
30	35	72.9	409	4	US-10-424-599-238679	Sequence 238679, A
31	35	72.9	420	6	US-11-097-143-42174	Sequence 42174, A
32	35	72.9	449	3	US-09-738-626-5315	Sequence 5315, Ap
33	35	72.9	449	5	US-10-501-282-136	Sequence 136, App
34	35	72.9	473	5	US-10-437-963-186053	Sequence 186053, A
35	35	72.9	473	5	US-10-739-930-6388	Sequence 6388, Ap
36	35	72.9	484	5	US-10-494-675-78	Sequence 78, Appl
37	35	72.9	488	4	US-10-425-115-324281	Sequence 324281, A
38	35	72.9	518	4	US-10-425-114-59128	Sequence 59128, A
39	35	72.9	526	5	US-10-450-763-45798	Sequence 45798, A
40	35	72.9	585	4	US-10-425-114-53676	Sequence 53676, A
41	35	72.9	693	4	US-10-425-114-56454	Sequence 56454, A
42	35	72.9	770	4	US-10-437-963-166183	Sequence 166183, A
43	35	72.9	788	4	US-10-437-963-145665	Sequence 145665, A
44	35	72.9	815	4	US-10-425-115-231132	Sequence 231132, A
45	35	72.9	906	4	US-10-080-334-58	Sequence 58, Appl

ALIGNMENTS

RESULT 1

US-10-006-177-7
; Sequence 7, Application US/10006177
; Publication No. US20030165513A1
; GENERAL INFORMATION:
; APPLICANT: Ramakrishna, Venky
; APPLICANT: Ross, Mark
; APPLICANT: Philip, Ramila
; TITLE OF INVENTION: Cytotoxic T-Lymphocyte-Inducing Immunogens for Prevention, Treatm
; TITLE OF INVENTION: Diagnosis of Cancer
; FILE REFERENCE: 26747-35
; CURRENT APPLICATION NUMBER: US/10/006.177
; CURRENT FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: US/60/251,022
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: US/60/256,824
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Epitopic Peptide
US-10-006-177-7

Query Match 100.0%; Score 48; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.7e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ILDDIGHGV 9
|||||
Db 1 ILDDIGHGV 9

RESULT 2

US-10-756-149-5477
; Sequence 5477, Application US/10756149
; Publication No. US20050181375A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Zlotnick, Albert
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AND
; TITLE OF INVENTION: METHODS OF SCREENING FOR MODULATORS OF METASTATIC CANCER
; FILE REFERENCE: file
; CURRENT APPLICATION NUMBER: US/10/756.149
; CURRENT FILING DATE: 2004-01-12
; NUMBER OF SEQ ID NOS: 5818
; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 5477
; LENGTH: 475
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-756-149-5477

Query Match 100.0%; Score 48; DB 5; Length 475;
Best Local Similarity 100.0%; Pred. No. 2.2;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ILDDIGHGV 9
Db 145 ILDDIGHGV 153

RESULT 3
US-10-106-698-4392
; Sequence 4392, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; PRIOR FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 4392
; LENGTH: 173
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (142)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC FEATURE
; LOCATION: (144)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC FEATURE
; LOCATION: (146)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC FEATURE
; LOCATION: (155)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC FEATURE
; LOCATION: (163)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC FEATURE
; LOCATION: (172)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-106-698-4392

Query Match 95.8%; Score 46; DB 4; Length 173;
Best Local Similarity 77.8%; Pred. No. 1.8;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 ILDDIGHGV 9
Db 29 VLDDVGHGV 37

RESULT 4
US-10-192-381-20
; Sequence 20, Application US/10192381
; Publication No. US20030170807A1
; GENERAL INFORMATION:
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE

; APPLICANT: WORLEY, Paul
; APPLICANT: TU, Jian
; APPLICANT: XIAO, Bo
; APPLICANT: LEAHY, Daniel
; APPLICANT: BENEKEN, Jutta
; APPLICANT: LANAHAN, Anthony
; TITLE OF INVENTION: NUCLEIC ACID MOLECULE ENCODING HOMER 1b PROTEIN (AS
; TITLE OF INVENTION: AMENDED)
; FILE REFERENCE: JHU1580-4
; CURRENT APPLICATION NUMBER: US/10/192,381
; CURRENT FILING DATE: 2002-07-09
; PRIOR APPLICATION NUMBER: US/09/377,285
; PRIOR FILING DATE: 1999-08-18
; PRIOR APPLICATION NUMBER: US 60/138,426
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,493
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,494
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/097,334
; PRIOR FILING DATE: 1998-08-18
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-192-381-20

Query Match 89.6%; Score 43; DB 4; Length 366;
Best Local Similarity 87.5%; Pred. No. 14;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 LDDIGHGV 9
Db 146 LDDIGHGI 153

RESULT 5
US-11-008-889-20
; Sequence 20, Application US/11008889
; Publication No. US20050164344A1
; GENERAL INFORMATION:
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
; APPLICANT: WORLEY, Paul
; APPLICANT: TU, Jian
; APPLICANT: XIAO, Bo
; APPLICANT: LEAHY, Daniel
; APPLICANT: BENEKEN, Jutta
; APPLICANT: LANAHAN, Anthony
; TITLE OF INVENTION: NUCLEIC ACID MOLECULE ENCODING HOMER 1b PROTEIN (AS
; TITLE OF INVENTION: AMENDED)
; FILE REFERENCE: JHU1580-4
; CURRENT APPLICATION NUMBER: US/11/008,889
; CURRENT FILING DATE: 2004-12-10
; PRIOR APPLICATION NUMBER: US/10/192,381
; PRIOR FILING DATE: 2002-07-09
; PRIOR APPLICATION NUMBER: US/09/377,285
; PRIOR FILING DATE: 1999-08-18
; PRIOR APPLICATION NUMBER: US 60/138,426
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,493
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,494
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/097,334
; PRIOR FILING DATE: 1998-08-18
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Homo sapiens

US-11-008-889-20

Query Match 89.6%; Score 43; DB 6; Length 366;
Best Local Similarity 87.5%; Pred. No. 14;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 LDDIGHGV 9
|||:||||
DB 146 LDDIGHGI 153

RESULT 6

US-10-192-381-16
; Sequence 16, Application US/10192381
; Publication No. US20030170807A1
; GENERAL INFORMATION:
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
; APPLICANT: WORLEY, Paul
; APPLICANT: TU, Jian
; APPLICANT: XIAO, Bo
; APPLICANT: LEAHY, Daniel
; APPLICANT: BENEKEN, Jutta
; APPLICANT: LANAHAN, Anthony
; TITLE OF INVENTION: NUCLEIC ACID MOLECULE ENCODING HOMER 1b PROTEIN (AS
; FILE REFERENCE: JHUI580-4
; CURRENT APPLICATION NUMBER: US/10/192,381
; CURRENT FILING DATE: 2002-07-09
; PRIOR APPLICATION NUMBER: US/09/377,285
; PRIOR FILING DATE: 1999-08-18
; PRIOR APPLICATION NUMBER: US 60/138,426
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,493
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,494
; PRIOR FILING DATE: 1998-08-18
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 16
; LENGTH: 370
; TYPE: PRT
; ORGANISM: Rattus norvegicus

US-10-192-381-16

Query Match 89.6%; Score 43; DB 4; Length 370;
Best Local Similarity 87.5%; Pred. No. 14;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 LDDIGHGV 9
|||:||||
DB 152 LDDVGHGV 159

RESULT 7

US-11-008-889-16
; Sequence 16, Application US/11008889
; Publication No. US20050164344A1
; GENERAL INFORMATION:
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
; APPLICANT: WORLEY, Paul
; APPLICANT: TU, Jian
; APPLICANT: XIAO, Bo
; APPLICANT: LEAHY, Daniel
; APPLICANT: BENEKEN, Jutta
; APPLICANT: LANAHAN, Anthony
; TITLE OF INVENTION: NUCLEIC ACID MOLECULE ENCODING HOMER 1b PROTEIN (AS
; FILE REFERENCE: JHUI580-4
; CURRENT APPLICATION NUMBER: US/11/008,889
; CURRENT FILING DATE: 2004-12-10
; PRIOR APPLICATION NUMBER: US/10/192,381

Query Match 89.6%; Score 43; DB 6; Length 366;
Best Local Similarity 87.5%; Pred. No. 14;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

; PRIOR FILING DATE: 2002-07-09
; PRIOR APPLICATION NUMBER: US/09/377,285
; PRIOR FILING DATE: 1999-08-18
; PRIOR APPLICATION NUMBER: US 60/138,426
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,493
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,494
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,494
; PRIOR FILING DATE: 1998-08-18
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 16
; LENGTH: 370
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-11-008-889-16

Query Match 89.6%; Score 43; DB 6; Length 370;
Best Local Similarity 87.5%; Pred. No. 14;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 LDDIGHGV 9
|||:||||
DB 152 LDDVGHGV 159

RESULT 8

US-11-097-143-20694
; Sequence 20694, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20694
; LENGTH: 473
; TYPE: PRT
; ORGANISM: DROSOPHILA

US-11-097-143-20694

Query Match 83.3%; Score 40; DB 6; Length 473;
Best Local Similarity 66.7%; Pred. No. 67;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 ILDDIGHGV 9
:|||||
DB 157 MLDEIGHGI 165

```
RESULT 9
US-10-425-114-51295
; Sequence 51295, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 51295
; LENGTH: 259
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: 700071826_FLI.pep
US-10-425-114-51295

Query Match      81.2%; Score 39; DB 4; Length 259;
Best Local Similarity 85.7%; Pred. No. 54;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      3 DDIGHGV 9
DB      249 DDVGHGV 255
||:|||||

RESULT 10
US-10-450-763-37847
; Sequence 37847, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 37847
; LENGTH: 380
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (512)..(544)
; OTHER INFORMATION: ABC transporters family proteins domain identified by
; OTHER INFORMATION: eMATRIX, accession number BL00211B, p-value=3.423e-17, raw score
; OTHER INFORMATION: 13.37
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (436)..(588)
; OTHER INFORMATION: ABC transporter domain identified by Pfam, accession name
; OTHER INFORMATION: ABC_tran, E-value=2e-07, Pfam score of 26.5
US-10-450-763-37847

Query Match      81.2%; Score 39; DB 5; Length 380;
Best Local Similarity 66.7%; Pred. No. 81;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      1 ILDDIGHGV 9
DB      267 ILHDVGHGI 275
||:|||||

RESULT 11
US-10-425-114-70502
; Sequence 70502, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 70502
; LENGTH: 500
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMFLMO17036H04_FLI.pep
US-10-425-114-70502

Query Match      81.2%; Score 39; DB 4; Length 500;
Best Local Similarity 85.7%; Pred. No. 1.1e+02;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      3 DDIGHGV 9
DB      249 DDVGHGV 255
||:|||||

RESULT 12
US-10-450-763-34877
; Sequence 34877, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 34877
; LENGTH: 629
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (512)..(544)
; OTHER INFORMATION: ABC transporters family proteins domain identified by
; OTHER INFORMATION: eMATRIX, accession number BL00211B, p-value=3.423e-17, raw score
; OTHER INFORMATION: 13.37
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (436)..(588)
; OTHER INFORMATION: ABC transporter domain identified by Pfam, accession name
; OTHER INFORMATION: ABC_tran, E-value=2e-07, Pfam score of 26.5
US-10-450-763-34877

Query Match      81.2%; Score 39; DB 5; Length 629;
Best Local Similarity 66.7%; Pred. No. 1.4e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      1 ILDDIGHGV 9
DB      226 ILHDVGHGI 234
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RESULT 13

US-10-437-963-196639
; Sequence 196639, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 196639
; LENGTH: 154
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_92471C.1.1.pap
US-10-437-963-196639

Query Match 77.1%; Score 37; DB 4; Length 154;
Best Local Similarity 75.0%; Pred. No. 73;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 ILDDIGHG 8
|:|:|:|
Db 34 IIDDAGHG 41

RESULT 14

US-10-425-115-342550
; Sequence 342550, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 342550
; LENGTH: 151
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_75572C.1.1.pap
US-10-425-115-342550

Query Match 75.0%; Score 36; DB 4; Length 151;
Best Local Similarity 62.5%; Pred. No. 1.1e+02;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 ILDDIGHG 8
|:|:|:|
Db 20 VLQDVGHG 27

RESULT 15

US-10-767-701-57517
; Sequence 57517, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:

; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE OF INVENTION: Plants and Uses Thereof For Plant Improvement
; FILE REFERENCE: 38-21(53335)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 57517
; LENGTH: 185
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: 30969284.pap
US-10-767-701-57517

Query Match 75.0%; Score 36; DB 4; Length 185;
Best Local Similarity 55.6%; Pred. No. 1.4e+02;
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 ILDDIGHGV 9
|:|:|:|
Db 74 VVTDVGHGV 82

Search completed: February 7, 2006, 13:47:31
Job time : 65.9191 secs

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OM protein - protein search, using sw model

Run on: February 7, 2006, 13:36:27 ; Search time 4.30851 Seconds
(without alignments)
24.478 Million cell updates/sec

Title: US-10-006-177A-7
Perfect score: 48
Sequence: 1 ILDDIGHGV 9

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 88029 seqs, 11718060 residues

Total number of hits satisfying chosen parameters: 88029

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA_New:
1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
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5: /cgn2_6/ptodata/2/pubpaa/US05_NEW_PUB.pep.*
6: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
7: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
8: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	35	72.9	449	7	US-11-055-822-142
2	34	70.8	668	7	US-11-111-239-13
3	33	68.8	188	6	US-10-467-657-3200
4	33	68.8	454	7	US-11-169-013-1
5	32	66.7	519	6	US-10-523-477-8
6	32	66.7	626	7	US-11-094-586-12
7	32	66.7	628	7	US-11-094-586-13
8	32	66.7	629	7	US-11-094-586-8
9	32	66.7	639	7	US-11-094-586-2
10	32	66.7	629	7	US-11-094-586-11
11	31.5	65.6	1126	7	US-11-075-185-3
12	31	64.6	17	6	US-10-893-064-2577
13	31	64.6	229	6	US-10-656-894-4
14	31	64.6	286	7	US-11-129-143-64
15	31	64.6	432	6	US-10-878-556A-72
16	31	64.6	874	6	US-10-510-386-28
17	31	64.6	1047	6	US-10-510-386-200
18	31	64.6	2491	6	US-10-993-561-769
19	30	62.5	1198	6	US-11-034-569-10
20	30	62.5	194	7	US-10-467-657-5440
21	30	62.5	224	7	US-11-054-281-303
22	30	62.5	240	6	US-10-467-657-3742
23	30	62.5	292	5	US-09-978-360A-674
24	30	62.5	297	7	US-11-092-140-9
25	30	62.5	321	7	US-11-092-140-12

Sequence 22, Appl
Sequence 445, App
Sequence 917, App
Sequence 602, App
Sequence 30, Appl
Sequence 11, Appl
Sequence 122, App
Sequence 13, Appl
Sequence 2, Appl
Sequence 659, App
Sequence 14, Appl
Sequence 4, Appl
Sequence 54, Appl
Sequence 38, Appl
Sequence 11, Appl
Sequence 28, Appl
Sequence 14, Appl
Sequence 418, App
Sequence 749, App
Sequence 360, App

ALIGNMENTS

RESULT 1
US-11-055-822-142
; Sequence 142, Application US/11055822
; Publication No. US20050260707A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
; TITLE OF INVENTION: METABOLIC PATHWAY PROTEINS
; FILE REFERENCE: BGI-121CPCN
; CURRENT APPLICATION NUMBER: US/11/055,822
; PRIOR FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: 09/606,740
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/141,031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 60/142,101
; PRIOR FILING DATE: 1999-07-02
; PRIOR APPLICATION NUMBER: 60/148,613
; PRIOR FILING DATE: 1999-08-12
; PRIOR APPLICATION NUMBER: 60/187,970
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: DE 19930476.9
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931415.2
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931418.7
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931419.5
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931420.9
; PRIOR FILING DATE: 1999-07-08
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1158
; SEQ ID NO 142
; LENGTH: 449
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-11-055-822-142

Query Match 72.9%; Score 35; DB 7; Length 449;
Best Local Similarity 87.5%; Pred. No. 20;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 2 LDDIGHGV 9

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Db      142 LDDIGSGV 149
||||| ||
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 3200
; LENGTH: 188
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-3200
Query Match      68.8%; Score 33; DB 6; Length 188;
Best Local Similarity 83.3%; Pred. No. 18;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      4 DIGHGV 9
      |||||
Db      124 DIGHGI 129

RESULT 4
US-11-169-013-1
; Sequence 1, Application US/11169013
; Publication No. US20050244971A1
; GENERAL INFORMATION:
; APPLICANT: Korea Kumho Petrochemical Co., Ltd.
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH ENHANCED STRESS TOLERANCE
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/11/169,013
; CURRENT FILING DATE: 2005-06-29
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: KopatentIn 1.71
; SEQ ID NO 1
; LENGTH: 454
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-11-169-013-1
Query Match      68.8%; Score 33; DB 7; Length 454;
Best Local Similarity 85.7%; Pred. No. 49;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      3 DDIGHV 9
      |||||
Db      149 DDIGNV 155

RESULT 5
US-10-523-477-8
; Sequence 8, Application US/10523477
; Publication No. US20050266406A1
; GENERAL INFORMATION:
; APPLICANT: EXELIXIS, INC.
; TITLE OF INVENTION: MAXS AS MODIFIERS OF THE AXIN PATHWAY AND METHODS OF USE
; FILE REFERENCE: EX03-051C-US
; CURRENT APPLICATION NUMBER: US/10/523,477
; CURRENT FILING DATE: 2005-02-04
; PRIOR APPLICATION NUMBER: US 60/401,534
; PRIOR FILING DATE: 2002-08-07
; PRIOR APPLICATION NUMBER: US 60/411,153
; PRIOR FILING DATE: 2002-09-16
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 8
; LENGTH: 519
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-523-477-8

Db      142 LDDIGSGV 149
||||| ||
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 3200
; LENGTH: 188
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-3200
Query Match      70.8%; Score 34; DB 7; Length 668;
Best Local Similarity 71.4%; Pred. No. 49;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      2 LDDIGHG 8
      |||||
Db      363 LDELGHG 369

RESULT 3
US-10-467-657-3200
; Sequence 3200, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
```


Query Match 66.7%; Score 32; DB 6; Length 519;
Best Local Similarity 44.4%; Pred. No. 89;
Matches 4; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1 ILDDIGHGV 9
Db 169 VVHEIGHGI 177

RESULT 6
US-11-094-586-12
; Sequence 13, Application US/11094586
; Publication No. US20050273886A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Butler, Karlene H.
; APPLICANT: Carlson, Thomas J.
; APPLICANT: Hitz, William D.
; APPLICANT: Stoop, Johan M.
; TITLE OF INVENTION: Plastidic Phosphoglucomutase Genes
; FILE REFERENCE: B1451 USCIP
; CURRENT APPLICATION NUMBER: US/11/094,586
; PRIOR FILING DATE: 2005-03-30
; PRIOR APPLICATION NUMBER: US 09/906,209
; PRIOR FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: US 60/218,712
; PRIOR FILING DATE: 2000-07-17
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Microsoft Office 97 & PatentIn Version 3.3
; SEQ ID NO 12
; LENGTH: 626
; TYPE: PRT
; ORGANISM: Pisum sativum
US-11-094-586-12

Query Match 66.7%; Score 32; DB 7; Length 626;
Best Local Similarity 71.4%; Pred. No. 1.1e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 LDDIGHG 8
Db 314 LEDFGHG 320

RESULT 7
US-11-094-586-13
; Sequence 13, Application US/11094586
; Publication No. US20050273886A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Butler, Karlene H.
; APPLICANT: Carlson, Thomas J.
; APPLICANT: Hitz, William D.
; APPLICANT: Stoop, Johan M.
; TITLE OF INVENTION: Plastidic Phosphoglucomutase Genes
; FILE REFERENCE: B1451 USCIP
; CURRENT APPLICATION NUMBER: US/11/094,586
; PRIOR FILING DATE: 2005-03-30
; PRIOR APPLICATION NUMBER: US 09/906,209
; PRIOR FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: US 60/218,712
; PRIOR FILING DATE: 2000-07-17
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Microsoft Office 97 & PatentIn Version 3.3
; SEQ ID NO 13
; LENGTH: 626
; TYPE: PRT
; ORGANISM: Pisum sativum
US-11-094-586-13

Query Match 66.7%; Score 32; DB 7; Length 626;
Best Local Similarity 71.4%; Pred. No. 1.1e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 LDDIGHG 8
Db 314 LEDFGHG 320

RESULT 8
US-11-094-586-8
; Sequence 8, Application US/11094586
; Publication No. US20050273886A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Butler, Karlene H.
; APPLICANT: Carlson, Thomas J.
; APPLICANT: Hitz, William D.
; APPLICANT: Stoop, Johan M.
; TITLE OF INVENTION: Plastidic Phosphoglucomutase Genes
; FILE REFERENCE: B1451 USCIP
; CURRENT APPLICATION NUMBER: US/11/094,586
; PRIOR FILING DATE: 2005-03-30
; PRIOR APPLICATION NUMBER: US 09/906,209
; PRIOR FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: US 60/218,712
; PRIOR FILING DATE: 2000-07-17
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Microsoft Office 97 & PatentIn Version 3.3
; SEQ ID NO 8
; LENGTH: 628
; TYPE: PRT
; ORGANISM: Glycine max
US-11-094-586-8

Query Match 66.7%; Score 32; DB 7; Length 628;
Best Local Similarity 71.4%; Pred. No. 1.1e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 LDDIGHG 8
Db 316 LEDFGHG 322

RESULT 9
US-11-094-586-11
; Sequence 11, Application US/11094586
; Publication No. US20050273886A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Butler, Karlene H.
; APPLICANT: Carlson, Thomas J.
; APPLICANT: Hitz, William D.
; APPLICANT: Stoop, Johan M.
; TITLE OF INVENTION: Plastidic Phosphoglucomutase Genes
; FILE REFERENCE: B1451 USCIP
; CURRENT APPLICATION NUMBER: US/11/094,586
; PRIOR FILING DATE: 2005-03-30
; PRIOR APPLICATION NUMBER: US 09/906,209
; PRIOR FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: US 60/218,712
; PRIOR FILING DATE: 2000-07-17
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Microsoft Office 97 & PatentIn Version 3.3
; SEQ ID NO 11
; LENGTH: 629
; TYPE: PRT
; ORGANISM: Brassica napus
US-11-094-586-11

Query Match 66.7%; Score 32; DB 7; Length 629;
Best Local Similarity 71.4%; Pred. No. 1.1e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 LDDIGHG 8
Db 316 LEDFGHG 322

Db 317 LEDFGHG 323

RESULT 10

US-11-094-586-2

; Sequence 2, Application US/11094586

; Publication No. US20050273886A1

; GENERAL INFORMATION:

; APPLICANT: Allen, Stephen M.

; APPLICANT: Butler, Karlene H.

; APPLICANT: Carlson, Thomas J.

; APPLICANT: Hitz, William D.

; APPLICANT: Stoop, Johan M.

; TITLE OF INVENTION: Plaatidic Phosphoglucomutase Genes

; FILE REFERENCE: BB1451 USCIP

; CURRENT APPLICATION NUMBER: US/11/094,586

; CURRENT FILING DATE: 2005-03-30

; PRIOR APPLICATION NUMBER: US 09/906,209

; PRIOR FILING DATE: 2001-07-16

; PRIOR APPLICATION NUMBER: US 60/218,712

; PRIOR FILING DATE: 2000-07-17

; NUMBER OF SEQ ID NOS: 32

; SOFTWARE: Microsoft Office 97 & PatentIn Version 3.3

; SEQ ID NO 2

; LENGTH: 639

; TYPE: PRT

; ORGANISM: Typha latifolia

US-11-094-586-2

Query Match

Best Local Similarity 66.7%; Score 32; DB 7; Length 639;

Mismatches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 LDDIGHG 8

Db 327 LEDFGHG 333

RESULT 11

US-11-075-185-3

; Sequence 3, Application US/11075185

; Publication No. US20050266434A1

; GENERAL INFORMATION:

; APPLICANT: REEVES, CHRISTOPHER D

; APPLICANT: JULIEN, BRYAN

; APPLICANT: REID, RALPH

; TITLE OF INVENTION: BIOSYNTHETIC GENE CLUSTER FOR AMBRUTICINS

; FILE REFERENCE: 010099.03

; CURRENT APPLICATION NUMBER: US/11/075,185

; CURRENT FILING DATE: 2005-03-07

; PRIOR APPLICATION NUMBER: US 60/551,103

; PRIOR FILING DATE: 2004-03-08

; PRIOR APPLICATION NUMBER: US 60/568,290

; PRIOR FILING DATE: 2004-05-04

; NUMBER OF SEQ ID NOS: 61

; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 3

; LENGTH: 1126

; TYPE: PRT

; ORGANISM: Sorangium cellulosum

US-11-075-185-3

Query Match

Best Local Similarity 65.6%; Score 31.5; DB 7; Length 1126;

Mismatches 7; Conservative 1; Mismatches 0; Indels 1; Gaps 1;

QY 1 ILDDIGHGV 9

Db 883 LLDD-GHGV 890

RESULT 12

US-10-895-064-2577

; Sequence 2577, Application US/10895064

; Publication No. US20060018923A1

; GENERAL INFORMATION:

; APPLICANT: PEIRIS, JOSEPH S.M.

; APPLICANT: YUEN, KWOK YUNG

; APPLICANT: POON, LIT MAN

; APPLICANT: GUAN, YI

; APPLICANT: CHAN, KWOK HUNG

; APPLICANT: NICHOLLS, JOHN M.

; APPLICANT: LEUNG, FREDERICK C.

; TITLE OF INVENTION: A NOVEL HUMAN VIRUS CAUSING RESPIRATORY TRACT INFECTION AND USES

; FILE REFERENCE: V0690.0031

; CURRENT APPLICATION NUMBER: US/10/895,064

; CURRENT FILING DATE: 2004-07-21

; NUMBER OF SEQ ID NOS: 2918

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 2577

; LENGTH: 17

; TYPE: PRT

; ORGANISM: Corononavirus-HKUI

US-10-895-064-2577

Query Match

Best Local Similarity 64.6%; Score 31; DB 6; Length 17;

Mismatches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 ILDDIGHG 7

Db 7 ILDDIGHG 13

RESULT 13

US-10-656-894-4

; Sequence 4, Application US/10656894

; Publication No. US20050260601A1

; GENERAL INFORMATION:

; APPLICANT: Whitt, Michael

; TITLE OF INVENTION: RECOMBINANT MUTANTS OF RHABDOVIRUS AND METHODS OF USE THEREO

; FILE REFERENCE: P-3558-US

; CURRENT APPLICATION NUMBER: US/10/656,894

; CURRENT FILING DATE: 2003-09-08

; NUMBER OF SEQ ID NOS: 23

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 4

; LENGTH: 229

; TYPE: PRT

; ORGANISM: Vesicular stomatitis virus

US-10-656-894-4

Query Match

Best Local Similarity 64.6%; Score 31; DB 6; Length 229;

Mismatches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 ILDDIGHG 7

Db 221 VLDSIGH 227

RESULT 14

US-11-129-143-64

; Sequence 64, Application US/11129143

; Publication No. US20050266518A1

; GENERAL INFORMATION:

; APPLICANT: BERRY, Alan

; APPLICANT: BRETZEL, Werner

; APPLICANT: HUMBELIN, Markus

; APPLICANT: LOPEZ-ULIBARRI, Rual

; APPLICANT: MAYER, Anne F.

; APPLICANT: YELISEEV, Alexei A.

; TITLE OF INVENTION: IMPROVED ISOPRENOID PRODUCTION

; FILE REFERENCE: C38435/121966

; CURRENT APPLICATION NUMBER: US/11/129,143

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; CURRENT FILING DATE: 2005-05-13
; NUMBER OF SEQ ID NOS: 197
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 64
; LENGTH: 286
; TYPE: PRT
; ORGANISM: Deinococcus radiodurans
US-11-129-143-64

Query Match      64.6%; Score 31; DB 7; Length 286;
Best Local Similarity 44.4%; Pred. No. 70;
Matches 4; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1 ILDDIGHGV 9
Db 143 IIEVGHGL 151

RESULT 15
US-10-878-556A-72
; Sequence 72, Application US/10878556A
; Publication No. US20050266399A1
; GENERAL INFORMATION:
; APPLICANT: Hoffmann La-Roche Inc.
; TITLE OF INVENTION: HCV regulated protein expression
; FILE REFERENCE: 21762
; CURRENT APPLICATION NUMBER: US/10/878,556A
; CURRENT FILING DATE: 2004-06-28
; NUMBER OF SEQ ID NOS: 199
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 72
; LENGTH: 432
; TYPE: PRT
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: sw hum/acdb_human
; DATABASE ENTRY DATE: 1995-11-01
US-10-878-556A-72

Query Match      64.6%; Score 31; DB 6; Length 432;
Best Local Similarity 75.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ILDDIGHG 8
Db 275 ILGQIGHG 282
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Search completed: February 7, 2006, 13:48:19
Job time : 4.40851 secs

This Page Blank (uspro)

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: February 7, 2006, 12:45:47 ; Search time 20.4894 Seconds
(without alignments)
36.315 Million cell updates/sec

Title: US-10-006-177A-8
Perfect score: 42
Sequence: 1 LLDRFLATV 9

Scoring table: BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA.*
1: /cgn2_6/ptodata/1/iaa/5_COMB.pep.*
2: /cgn2_6/ptodata/1/iaa/6_COMB.pep.*
3: /cgn2_6/ptodata/1/iaa/H_COMB.pep.*
4: /cgn2_6/ptodata/1/iaa/PGTUS_COMB.pep.*
5: /cgn2_6/ptodata/1/iaa/RE_COMB.pep.*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	42	100.0	9	US-09-865-548A-151	Sequence 151, App
2	42	100.0	254	US-09-796-149B-4	Sequence 4, Appli
3	42	100.0	377	US-08-969-106-6	Sequence 6, Appli
4	42	100.0	377	US-09-054-492B-1	Sequence 1, Appli
5	42	100.0	377	US-09-338-125-6	Sequence 6, Appli
6	35	83.3	120	US-09-902-540-14885	Sequence 14885, A
7	35	83.3	303	US-09-107-532A-5585	Sequence 5585, Ap
8	34	81.0	561	US-09-107-532A-5323	Sequence 5323, Ap
9	33	78.6	353	US-08-984-288-2	Sequence 2, Appli
10	33	78.6	353	US-09-224-426-4	Sequence 4, Appli
11	33	78.6	353	US-09-478-601-4	Sequence 4, Appli
12	33	78.6	353	US-09-478-602-4	Sequence 4, Appli
13	33	78.6	353	US-09-218-467B-2	Sequence 2, Appli
14	33	78.6	353	US-09-885-478-4	Sequence 4, Appli
15	33	78.6	353	US-09-885-478-28	Sequence 28, Appli
16	33	78.6	353	US-09-919-039-127	Sequence 127, App
17	33	78.6	353	US-09-826-509-351	Sequence 351, App
18	33	78.6	353	US-09-826-509-355	Sequence 355, App
19	33	78.6	353	US-09-826-509-363	Sequence 363, App
20	33	78.6	353	US-09-826-509-367	Sequence 367, App
21	33	78.6	353	US-09-826-509-371	Sequence 371, App
22	33	78.6	353	US-09-826-509-375	Sequence 375, App
23	33	78.6	353	US-09-826-509-379	Sequence 379, App
24	33	78.6	353	US-09-826-509-383	Sequence 383, App
25	33	78.6	353	US-09-826-509-387	Sequence 387, App
26	33	78.6	353	US-10-339-111-2	Sequence 2, Appli
27	33	78.6	353	US-10-258-492-3	Sequence 3, Appli

28	33	78.6	353	2	US-10-152-189-2	Sequence 2, Appli
29	33	78.6	400	4	PCT-US95-16472-2	Sequence 2, Appli
30	33	78.6	402	2	US-08-602-809-2	Sequence 2, Appli
31	33	78.6	402	2	US-09-170-496D-52	Sequence 52, Appl
32	33	78.6	402	2	US-09-170-496D-192	Sequence 192, App
33	33	78.6	422	2	US-09-224-426-2	Sequence 2, Appli
34	33	78.6	422	2	US-09-478-601-2	Sequence 2, Appli
35	33	78.6	422	2	US-09-478-602-2	Sequence 2, Appli
36	33	78.6	422	2	US-09-885-478-2	Sequence 2, Appli
37	33	78.6	422	2	US-09-885-478-26	Sequence 26, Appl
38	33	78.6	422	2	US-09-885-478-27	Sequence 27, Appl
39	33	78.6	422	2	US-10-258-492-9	Sequence 9, Appli
40	33	78.6	446	2	US-09-826-509-359	Sequence 359, App
41	33	78.6	709	2	US-09-826-509-589	Sequence 589, App
42	32	76.2	554	2	US-09-902-540-15061	Sequence 15061, A
43	32	76.2	725	2	US-09-252-991A-24201	Sequence 24201, A
44	31	73.8	65	2	US-09-352-078-3	Sequence 3, Appli
45	31	73.8	82	2	US-08-722-719-60	Sequence 60, Appl

ALIGNMENTS

RESULT 1

US-09-865-548A-151
; Sequence 151, Application US/09865548A
; Patent No. 6867283
; GENERAL INFORMATION:
; APPLICANT: Barnea, Eilon
; APPLICANT: Beer, Ilan
; APPLICANT: Ziv, Tamar
; APPLICANT: Admon, Arie
; TITLE OF INVENTION: METHOD OF IDENTIFYING PEPTIDES CAPABLE OF BINDING TO MHC MOLECULE
; TITLE OF INVENTION: PEPTIDES IDENTIFIED THEREBY AND THEIR USES
; FILE REFERENCE: 01/22080
; CURRENT APPLICATION NUMBER: US/09/865.548A
; CURRENT FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: US 60/290,958
; PRIOR FILING DATE: 2001-05-16
; NUMBER OF SEQ ID NOS: 204
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 151
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic peptide
US-09-865-548A-151

Query Match 100.0%; Score 42; DB 2; Length 9;
Best Local Similarity 100.0%; Pred. No. 4.6e+05;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLDRFLATV 9
| | | | | | | |
Db 1 LLDRFLATV 9

RESULT 2

US-09-796-149B-4
; Sequence 4, Application US/09796149B
; Patent No. 6825033
; GENERAL INFORMATION:
; APPLICANT: Univ. of Southern California
; TITLE OF INVENTION: Mutated cyclin G1 protein
; FILE REFERENCE: 4-31342A/USC
; CURRENT APPLICATION NUMBER: US/09/796.149B
; CURRENT FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 254
; TYPE: PRT

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; ORGANISM: Homo sapiens
US-09-796-149B-4

Query Match      100.0%; Score 42; DB 2; Length 254;
Best Local Similarity 100.0%; Pred. No. 0.9;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLDRLFLATV 9
Db 33 LLDRLFLATV 41

RESULT 3
US-08-969-106-6
; Sequence 6, Application US/08969106
; Patent No. 5986055
; GENERAL INFORMATION:
; APPLICANT: Yang, M.
; APPLICANT: Nandabalan, K.
; APPLICANT: Schulz, V.
; TITLE OF INVENTION: CDK2 INTERACTIONS
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/969,106
; FILING DATE: 13-NOV-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 7934-057
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 377 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-969-106-6

Query Match      100.0%; Score 42; DB 1; Length 377;
Best Local Similarity 100.0%; Pred. No. 1.4;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLDRLFLATV 9
Db 72 LLDRLFLATV 80

RESULT 4
US-09-054-492B-1
; Sequence 1, Application US/09054492B
; Patent No. 6218115
; GENERAL INFORMATION:
; APPLICANT: TAKESHI NAKAMURA
; TITLE OF INVENTION: HUMAN CYCLIN I AND GENES ENCODING SAME
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PILLSEURY, MADISON & SUTRO
; STREET: 1100 NEW YORK AVENUE, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PATENTIN RELEASE #1.0, VERSION #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/054,492B
; FILING DATE: APRIL 3, 1998
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: PAUL E. WHITE, JR.
; REGISTRATION NUMBER: 32,011
; REFERENCE/DOCKET NUMBER: 7898/252159
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 861-3000
; TELEFAX: (202) 822-0944
; TELEX: 6714627CUSH
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 377
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-054-492B-1

Query Match      100.0%; Score 42; DB 2; Length 377;
Best Local Similarity 100.0%; Pred. No. 1.4;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLDRLFLATV 9
Db 72 LLDRLFLATV 80

RESULT 5
US-09-338-125-6
; Sequence 6, Application US/09338125
; Patent No. 6521412
; GENERAL INFORMATION:
; APPLICANT: Yang, M.
; APPLICANT: Nandabalan, K.
; APPLICANT: Schulz, V.
; TITLE OF INVENTION: CDK2 INTERACTIONS
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/338,125
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/969,106
; FILING DATE: 13-NOV-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 7934-057
```

TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-790-9090
TELEFAX: 212-869-9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 377 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-09-338-125-6

Query Match 100.0%; Score 42; DB 2; Length 377;

Best Local Similarity 100.0%; Pred. No. 1.4;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLDRLATV 9

Db 72 LLDRLATV 80

RESULT 6

US-09-902-540-14885
Sequence 14885, Application US/09902540
Patent No. 6833447
GENERAL INFORMATION:

APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Wiegand, Roger C.
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
FILE REFERENCE: 38-10(15849)B
CURRENT APPLICATION NUMBER: US/09/902,540
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: 60/217,883
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 14885
LENGTH: 120
TYPE: PRT
ORGANISM: Myxococcus xanthus
US-09-902-540-14885

Query Match 83.3%; Score 35; DB 2; Length 120;

Best Local Similarity 88.9%; Pred. No. 10;
Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LLDRLATV 9

Db 111 LLDGLATV 119

RESULT 7

US-09-107-532A-5585
Sequence 5585, Application US/09107532A
Patent No. 6583275
GENERAL INFORMATION:

APPLICANT: Lynn A Doucette-Stamm and David Bush
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 7310
CORRESPONDENCE ADDRESS:

ADDRESSEE: GENOME THERAPEUTICS CORPORATION
STREET: 100 Beaver Street
CITY: Waltham
STATE: Massachusetts
COUNTRY: USA
ZIP: 02354

COMPUTER READABLE FORM:
MEDIUM TYPE: CD/ROM ISO9660
COMPUTER: PC
OPERATING SYSTEM: <Unknown>

SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/107,532A
FILING DATE: 30-Jun-1998

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/085,598

FILING DATE: 14 May 1998

APPLICATION NUMBER: 60/051571

FILING DATE: July 2, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Ariniello, Pamela Deneke

REGISTRATION NUMBER: 40,489

REFERENCE/DOCKET NUMBER: GTC-012

TELECOMMUNICATION INFORMATION:

TELEPHONE: (781)893-5007

TELEFAX: (781)893-8277

INFORMATION FOR SEQ ID NO: 5585:

SEQUENCE CHARACTERISTICS:

LENGTH: 303 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

HYPOTHETICAL: YES

ORIGINAL SOURCE:

ORGANISM: Enterococcus faecium

FEATURE:

NAME/KEY: misc feature

LOCATION: (B) LOCATION 1...303

SEQUENCE DESCRIPTION: SEQ ID NO: 5585:

US-09-107-532A-5585

Query Match 83.3%; Score 35; DB 2; Length 303;

Best Local Similarity 77.8%; Pred. No. 28;

Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LLDRLATV 9

Db 98 LLDRLVTL 106

RESULT 8

US-09-107-532A-5323

Sequence 5323, Application US/09107532A

Patent No. 6583275

GENERAL INFORMATION:

APPLICANT: Lynn A Doucette-Stamm and David Bush

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS

NUMBER OF SEQUENCES: 7310

CORRESPONDENCE ADDRESS:

ADDRESSEE: GENOME THERAPEUTICS CORPORATION

STREET: 100 Beaver Street

CITY: Waltham

STATE: Massachusetts

COUNTRY: USA

ZIP: 02354

MEDIUM TYPE: CD/ROM ISO9660

COMPUTER: PC

OPERATING SYSTEM: <Unknown>

SOFTWARE: ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/107,532A

FILING DATE: 30-Jun-1998

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/085,598

FILING DATE: 14 May 1998

APPLICATION NUMBER: 60/051571

FILING DATE: July 2, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Ariniello, Pamela Deneke

REGISTRATION NUMBER: 40,489

REFERENCE/DOCKET NUMBER: GTC-012

TELECOMMUNICATION INFORMATION:
TELEPHONE: (781)893-5007
TELEFAX: (781)893-8277
INFORMATION FOR SEQ ID NO: 5323:
SEQUENCE CHARACTERISTICS:
LENGTH: 561 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ORIGINAL SOURCE:
ORGANISM: Enterococcus faecium
FEATURE:
NAME/KEY: misc_feature
LOCATION: (B) LOCATION 1...561
SEQUENCE DESCRIPTION: SEQ ID NO: 5323:
US-09-107-532A-5323

Query Match 81.0%; Score 34; DB 2; Length 561;
Best Local Similarity 75.0%; Pred. No. 87;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 LDRFLATV 9
:|:|:|:|

Db 16 IDRFLATV 23

RESULT 9

US-08-984-288-2
; Sequence 2, Application US/08984288
; Patent No. 6033872
; GENERAL INFORMATION:
; APPLICANT: BERGSMAN, DEREK
; APPLICANT: ELLIS, CATHERINE
; TITLE OF INVENTION: NOVEL HUMAN 11CB SPLICE V
; TITLE OF INVENTION: ARIANT
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: RATNER & PRESTIA
; STREET: P.O. BOX 980
; CITY: VALLEY FORGE
; STATE: PA
; COUNTRY: USA
; ZIP: 19482

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/984,288
FILING DATE: 03-DEC-1997
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/032,763
FILING DATE: 11-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: PRESTIA, PAUL F
REGISTRATION NUMBER: 23,031
REFERENCE/DOCKET NUMBER: P50599
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-407-0700
TELEFAX: 610-407-0701
TELEX: 846169

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
LENGTH: 353 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-984-288-2

Query Match 78.6%; Score 33; DB 2; Length 353;
Best Local Similarity 75.0%; Pred. No. 84;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 LDRFLATV 9
:|:|:|:|

Db 139 IDRYLATV 146

RESULT 10

US-09-224-426-4
; Sequence 4, Application US/09224426
; Patent No. 6221613
; GENERAL INFORMATION:
; APPLICANT: Salton, John A
; APPLICANT: Laz, Thomas M.
; APPLICANT: Nagorny, Raissa
; APPLICANT: Wilson, Amy E.
; TITLE OF INVENTION: DNA Encoding A Human Melanin Concentrating Hormone
; TITLE OF INVENTION: Receptor (MCH1) And Uses Thereof
; FILE REFERENCE: 57453/JPW/JHB
; CURRENT APPLICATION NUMBER: US/09/224,426
; CURRENT FILING DATE: 1998-12-31
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0 - beta
; SEQ ID NO 4
; LENGTH: 353
; TYPE: PRT
; ORGANISM: rat
US-09-224-426-4

Query Match 78.6%; Score 33; DB 2; Length 353;
Best Local Similarity 75.0%; Pred. No. 84;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 LDRFLATV 9
:|:|:|:|

Db 139 IDRYLATV 146

RESULT 11

US-09-478-601-4
; Sequence 4, Application US/09478601
; Patent No. 6221616
; GENERAL INFORMATION:
; APPLICANT: Salton, John A.
; APPLICANT: Laz, Thomas M.
; APPLICANT: Nagorny, Raissa
; APPLICANT: Wilson, Amy E.
; TITLE OF INVENTION: DNA Encoding A Human Melanin Concentrating Hormone
; TITLE OF INVENTION: Receptor (MCH1) And Uses Thereof
; FILE REFERENCE: 574532/JPW
; CURRENT APPLICATION NUMBER: US/09/478,601
; CURRENT FILING DATE: 2000-01-06
; EARLIER APPLICATION NUMBER: 09/224,426
; EARLIER FILING DATE: 1998-12-31
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 353
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-478-601-4

Query Match 78.6%; Score 33; DB 2; Length 353;
Best Local Similarity 75.0%; Pred. No. 84;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 LDRFLATV 9
:|:|:|:|

Db 139 IDRYLATV 146


```
RESULT 12
US-09-478-602-4
; Sequence 4, Application US/09478602
; Patent No. 6291195
; GENERAL INFORMATION:
; APPLICANT: Salton, John A.
; APPLICANT: Laz, Thomas M.
; APPLICANT: Nagorny, Raisa
; APPLICANT: Wilson, Amy E.
; TITLE OF INVENTION: DNA Encoding A Human Melanin Concentrating Hormone
; FILE REFERENCE: 57453YJPW
; CURRENT APPLICATION NUMBER: US/09/478,602
; CURRENT FILING DATE: 2000-01-06
; EARLIER APPLICATION NUMBER: 09/224,426
; EARLIER FILING DATE: 1998-12-31
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 353
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-478-602-4

Query Match      78.6%; Score 33; DB 2; Length 353;
Best Local Similarity 75.0%; Pred. No. 84;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      2 LDRELATV 9
Db      139 IDRYLATV 146

RESULT 13
US-09-218-467B-2
; Sequence 2, Application US/09218467B
; Patent No. 6362326
; GENERAL INFORMATION:
; APPLICANT: SATHE, GANESH
; APPLICANT: ELLIS, CATHERINE
; APPLICANT: HALSEY, WENDY
; APPLICANT: BERGSMÄ DERK
; TITLE OF INVENTION: 11cby Genomic Sequence
; FILE REFERENCE: GP-50010
; CURRENT APPLICATION NUMBER: US/09/218,467B
; CURRENT FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 353
; TYPE: PRT
; ORGANISM: HOMO SAPIENS
US-09-218-467B-2

Query Match      78.6%; Score 33; DB 2; Length 353;
Best Local Similarity 75.0%; Pred. No. 84;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      2 LDRELATV 9
Db      139 IDRYLATV 146

RESULT 14
US-09-885-478-4
; Sequence 4, Application US/09885478
; Patent No. 6723552
; GENERAL INFORMATION:
; APPLICANT: SALON, JOHN A
; APPLICANT: LAZ, THOMAS M
; APPLICANT: NAGORNY, RAISA
; APPLICANT: WILSON, AMY E
; TITLE OF INVENTION: DNA ENCODING A HUMAN MELANIN CONCENTRATING HORMONE RECEPTOR (MCH1)
```

```
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: 1795/57453-A-PCT-US
; CURRENT APPLICATION NUMBER: US/09/885,478
; CURRENT FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: PCT/US99/31169
; PRIOR FILING DATE: 1999-12-30
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 353
; TYPE: PRT
; ORGANISM: RATTUS NORVEGICUS
US-09-885-478-4

Query Match      78.6%; Score 33; DB 2; Length 353;
Best Local Similarity 75.0%; Pred. No. 84;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      2 LDRELATV 9
Db      139 IDRYLATV 146

RESULT 15
US-09-885-478-28
; Sequence 28, Application US/09885478
; Patent No. 6723552
; GENERAL INFORMATION:
; APPLICANT: SALON, JOHN A
; APPLICANT: LAZ, THOMAS M
; APPLICANT: NAGORNY, RAISA
; APPLICANT: WILSON, AMY E
; TITLE OF INVENTION: DNA ENCODING A HUMAN MELANIN CONCENTRATING HORMONE RECEPTOR (MCH1)
; FILE REFERENCE: 1795/57453-A-PCT-US
; CURRENT APPLICATION NUMBER: US/09/885,478
; CURRENT FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: PCT/US99/31169
; PRIOR FILING DATE: 1999-12-30
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28
; LENGTH: 353
; TYPE: PRT
; ORGANISM: ARTIFICIAL SEQUENCE
; FEATURE:
; OTHER INFORMATION: MUTATED MCH RECEPTOR
US-09-885-478-28

Query Match      78.6%; Score 33; DB 2; Length 353;
Best Local Similarity 75.0%; Pred. No. 84;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      2 LDRELATV 9
Db      139 IDRYLATV 146

Search completed: February 7, 2006, 12:49:39
Job time : 20.4894 secs
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GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: February 7, 2006, 13:34:34 ; Search time 64.8191 Seconds
(without alignments)
58.015 Million cell updates/sec

Title: US-10-006-177A-8

Perfect score: 42

Sequence: 1 LLDRFLATV 9

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications_AA_Main:
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	42	100.0	9	3	US-09-865-548A-151
2	42	100.0	9	4	Sequence 151, App
3	42	100.0	9	5	Sequence 8, Appli
4	42	100.0	10	5	US-10-006-177-8
5	42	100.0	254	3	US-10-705-459-151
6	42	100.0	377	3	US-09-796-149-4
7	42	100.0	377	5	US-09-736-250-1
8	36	85.7	139	4	US-10-485-555-30
9	35	83.3	126	4	US-10-424-599-277337
10	35	83.3	126	4	US-10-425-115-361998
11	33	78.6	123	4	US-10-739-930-10518
12	33	78.6	190	5	US-10-437-963-166119
13	33	78.6	228	4	US-10-732-923-2565
14	33	78.6	239	3	US-10-425-115-323325
15	33	78.6	256	4	US-09-864-761-38414
16	33	78.6	291	5	US-10-156-761-13846
17	33	78.6	345	4	US-10-732-923-2912
18	33	78.6	345	4	US-10-309-515-52
19	33	78.6	347	4	US-10-126-764-52
20	33	78.6	352	4	US-10-309-515-60
21	33	78.6	352	4	US-10-309-515-48
22	33	78.6	353	3	US-10-126-764-48
23	33	78.6	353	3	US-09-925-776-2
24	33	78.6	353	3	US-09-895-686-2
25	33	78.6	353	3	US-09-885-478-4
26	33	78.6	353	3	US-09-885-478-28
27	33	78.6	353	3	US-09-899-732-4
					Sequence 9, Appli

28	33	78.6	353	3	US-09-919-039-127	Sequence 127, App
29	33	78.6	353	3	US-09-826-509-351	Sequence 351, App
30	33	78.6	353	3	US-09-826-509-355	Sequence 355, App
31	33	78.6	353	3	US-09-826-509-363	Sequence 363, App
32	33	78.6	353	3	US-09-826-509-367	Sequence 367, App
33	33	78.6	353	3	US-09-826-509-371	Sequence 371, App
34	33	78.6	353	3	US-09-826-509-375	Sequence 375, App
35	33	78.6	353	3	US-09-826-509-379	Sequence 379, App
36	33	78.6	353	3	US-09-826-509-383	Sequence 383, App
37	33	78.6	353	3	US-09-826-509-387	Sequence 387, App
38	33	78.6	353	4	US-10-029-314-4	Sequence 4, Appli
39	33	78.6	353	4	US-10-029-314-28	Sequence 28, Appli
40	33	78.6	353	4	US-10-221-461-2	Sequence 2, Appli
41	33	78.6	353	4	US-10-221-461-3	Sequence 3, Appli
42	33	78.6	353	4	US-10-221-461-4	Sequence 4, Appli
43	33	78.6	353	4	US-10-182-509-4	Sequence 4, Appli
44	33	78.6	353	4	US-10-309-515-2	Sequence 2, Appli
45	33	78.6	353	4	US-10-309-515-6	Sequence 6, Appli

ALIGNMENTS

RESULT 1

US-09-865-548A-151
; Sequence 151, Application US/09865548A
; Publication No. US20030096298A1
; GENERAL INFORMATION:
; APPLICANT: Barnea, Eilon
; APPLICANT: Beer, Ilan
; APPLICANT: Ziv, Tamar
; APPLICANT: Admon, Arle
; TITLE OF INVENTION: METHOD OF IDENTIFYING PEPTIDES CAPABLE OF BINDING TO MHC MOLECULE
; TITLE OF INVENTION: PEPTIDES IDENTIFIED THEREBY AND THEIR USES
; FILE REFERENCE: 01/22080
; CURRENT APPLICATION NUMBER: US/09/865.548A
; CURRENT FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: US 60/290,958
; PRIOR FILING DATE: 2001-05-16
; NUMBER OF SEQ ID NOS: 204
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 151
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic peptide
; US-09-865-548A-151

Query Match 100.0%; Score 42; DB 3; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.7e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLDRFLATV 9
Db 1 LLDRFLATV 9

RESULT 2

US-10-006-177-8
; Sequence 8, Application US/10006177
; Publication No. US20030165513A1
; GENERAL INFORMATION:
; APPLICANT: Roes, Mark
; APPLICANT: Ramakrishna, Venky
; APPLICANT: Philip, Ramla
; TITLE OF INVENTION: Cytotoxic T-Lymphocyte-Inducing Immunogens for Prevention, Treatm
; TITLE OF INVENTION: Diagnosis of Cancer
; FILE REFERENCE: 26747-35
; CURRENT APPLICATION NUMBER: US/10/006.177
; CURRENT FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: US/60/251,022
; PRIOR FILING DATE: 2000-12-04

; PRIOR APPLICATION NUMBER: US/60/256,824
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Epitopic Peptide
US-10-006-177-8

Query Match 100.0%; Score 42; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.7e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LLDRLFLATV 9
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Db 1 LLDRLFLATV 9

RESULT 3

US-10-705-459-151
; Sequence 151, Application US/10705459
; Publication No. US20050053918A1
; GENERAL INFORMATION:
; APPLICANT: Barnea, Eilon
; APPLICANT: Beer, Ilan
; APPLICANT: Ziv, Tamar
; APPLICANT: Admon, Arie
; APPLICANT: Dasseau, Lior
; APPLICANT: Buchsbaum, Samuel
; TITLE OF INVENTION: METHOD OF IDENTIFYING PEPTIDES CAPABLE OF BINDING TO MHC MOLECULE
; FILE REFERENCE: 26884
; CURRENT APPLICATION NUMBER: US/10/705,459
; CURRENT FILING DATE: 2003-11-12
; NUMBER OF SEQ ID NOS: 372
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 151
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic peptide
US-10-705-459-151

Query Match 100.0%; Score 42; DB 5; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.7e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LLDRLFLATV 9
|||
Db 1 LLDRLFLATV 9

RESULT 4

US-10-705-459-321
; Sequence 321, Application US/10705459
; Publication No. US20050053918A1
; GENERAL INFORMATION:
; APPLICANT: Barnea, Eilon
; APPLICANT: Beer, Ilan
; APPLICANT: Ziv, Tamar
; APPLICANT: Admon, Arie
; APPLICANT: Dasseau, Lior
; APPLICANT: Buchsbaum, Samuel
; TITLE OF INVENTION: METHOD OF IDENTIFYING PEPTIDES CAPABLE OF BINDING TO MHC MOLECULE
; FILE REFERENCE: 26884
; CURRENT APPLICATION NUMBER: US/10/705,459
; CURRENT FILING DATE: 2003-11-12
; NUMBER OF SEQ ID NOS: 372

; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 321
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic peptide
US-10-705-459-321

Query Match 100.0%; Score 42; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.11;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LLDRLFLATV 9
|||
Db 2 LLDRLFLATV 10

RESULT 5

US-09-796-149-4
; Sequence 4, Application US/09796149
; Patent No. US20020035079A1
; GENERAL INFORMATION:
; APPLICANT: Univ. of Southern California
; TITLE OF INVENTION: Mutated cyclin G1 protein
; FILE REFERENCE: 4-31342A/USC
; CURRENT APPLICATION NUMBER: US/09/796,149
; CURRENT FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 254
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-796-149-4

Query Match 100.0%; Score 42; DB 3; Length 254;
Best Local Similarity 100.0%; Pred. No. 3.1;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LLDRLFLATV 9
|||
Db 33 LLDRLFLATV 41

RESULT 6

US-09-736-250-1
; Sequence 1, Application US/09736250
; Publication No. US20050014139A1
; GENERAL INFORMATION:
; APPLICANT: SUMITOMO ELECTRIC INDUSTRIES, LTD.
; APPLICANT: NAKAMURA, Takeshi
; TITLE OF INVENTION: HUMAN CYCLIN I AND GENES ENCODING THE SAME
; FILE REFERENCE: 050212-0278
; CURRENT APPLICATION NUMBER: US/09/736,250
; CURRENT FILING DATE: 2000-12-15
; PRIOR APPLICATION NUMBER: 09/054,492
; PRIOR FILING DATE: 1998-04-03
; PRIOR APPLICATION NUMBER: PCT/JP96/02905
; PRIOR FILING DATE: 1996-10-07
; PRIOR APPLICATION NUMBER: 284663/1995
; PRIOR FILING DATE: 1995-10-05
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1
; LENGTH: 377
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-736-250-1

Query Match 100.0%; Score 42; DB 3; Length 377;
Best Local Similarity 100.0%; Pred. No. 4.6;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 LLDRFLATV 9
Db 72 LLDRFLATV 80

RESULT 7
US-10-485-555-30
; Sequence 30, Application US/10485555
; Publication No. US20050120393A1
; GENERAL INFORMATION:
; APPLICANT: Origene Technologies, Inc.
; TITLE OF INVENTION: Full Length Prostate Specific Polynucleotides and Polypeptides
; FILE REFERENCE: 9U 101.2 PCT
; CURRENT APPLICATION NUMBER: US/10/485,555
; CURRENT FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: US 60/309,470
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: US 60/330,747
; PRIOR FILING DATE: 2001-10-30
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 30
; LENGTH: 377
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-485-555-30

Query Match 100.0%; Score 42; DB 5; Length 377;
Best Local Similarity 100.0%; Pred. No. 4.6;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LLDRFLATV 9
Db 72 LLDRFLATV 80

RESULT 8
US-10-424-599-277337
; Sequence 277337, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 277337
; LENGTH: 139
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_92459C.1.p
US-10-424-599-277337

Query Match 85.7%; Score 36; DB 4; Length 139;
Best Local Similarity 77.8%; Pred. No. 27;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 LLDRFLATV 9
Db 81 LLDRFLATV 89

RESULT 9
US-10-425-115-361998
; Sequence 361998, Application US/10425115
; Publication No. US20040214272A1
```

```
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 361998
; LENGTH: 126
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(126)
; OTHER INFORMATION: unsure at all xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_93318C.1.p
US-10-425-115-361998

Query Match 83.3%; Score 35; DB 4; Length 126;
Best Local Similarity 87.5%; Pred. No. 38;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LLDRFLAT 8
Db 97 VLDRFLAT 104

RESULT 10
US-10-739-930-10518
; Sequence 10518, Application US/10739930
; Publication No. US20040216190A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
; FILE REFERENCE: 38-21(53377)B
; CURRENT APPLICATION NUMBER: US/10/739,930
; CURRENT FILING DATE: 2003-12-18
; NUMBER OF SEQ ID NOS: 11088
; SEQ ID NO 10518
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Triticum aestivum
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(645)
; OTHER INFORMATION: unsure at all xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: TRIAE-23APR03-C460_1.p
US-10-739-930-10518

Query Match 83.3%; Score 35; DB 5; Length 645;
Best Local Similarity 87.5%; Pred. No. 2e+02;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LLDRFLAT 8
Db 300 LLDRFLST 307

RESULT 11
US-10-437-963-166119
; Sequence 166119, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
```

```
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 166119
; LENGTH: 123
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_6485C.1.pep
US-10-437-963-166119

Query Match      78.6%; Score 33; DB 4; Length 123;
Best Local Similarity 100.0%; Pred. No. 94;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LLDRFLA 7
Db      46 LLDRFLA 52

RESULT 12
US-10-732-923-2565
; Sequence 2565, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 2565
; LENGTH: 190
; TYPE: PRT
; ORGANISM: Stizostedion vitreum
US-10-732-923-2565

Query Match      78.6%; Score 33; DB 5; Length 190;
Best Local Similarity 87.5%; Pred. No. 1.5e+02;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      2 LDRFLATV 9
Db      23 LDRFLAVV 30

RESULT 13
US-10-425-115-323325
; Sequence 323325, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 323325
; LENGTH: 228
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; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(228)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MET4577_57944C.1.pep
US-10-425-115-323325

Query Match      78.6%; Score 33; DB 4; Length 228;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LLDRFLA 7
Db      177 LLDRFLA 183

RESULT 14
US-09-864-761-38414
; Sequence 38414, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aecmica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/006666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006657
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006655
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 38414
; LENGTH: 239
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TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO Z86090.10
OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 0.67
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.78
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.74
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.3
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.2
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.72
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.2
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.1
OTHER INFORMATION: EST HUMAN HIT: BE701073.1, EVALUE 6.00e-44
OTHER INFORMATION: SWISSPROT HIT: Q99705, EVALUE 0.00e+00
US-09-864-761-38414

Query Match 78.6%; Score 33; DB 3; Length 239;
Best Local Similarity 75.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 2 LDRFLATV 9
Db 25 IDRYLATV 32

RESULT 15
US-10-156-761-13846
Sequence 13846, Application US/10156761
Publication No. US20030119018A1
GENERAL INFORMATION:
APPLICANT: OMURA, SATOSHI
APPLICANT: IKEDA, HARUO
APPLICANT: ISHIKAWA, JUN
APPLICANT: HORIKAWA, HIROSHI
APPLICANT: SHIBA, TADAYOSHI
APPLICANT: SAKAKI, YOSHIYUKI
APPLICANT: HATTORI, MASAHIRA
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
FILE REFERENCE: 249-262
CURRENT APPLICATION NUMBER: US/10/156,761
CURRENT FILING DATE: 2002-05-29
PRIOR APPLICATION NUMBER: JP 2001-204089
PRIOR FILING DATE: 2001-05-30
PRIOR APPLICATION NUMBER: JP 2001-272697
PRIOR FILING DATE: 2001-08-02
NUMBER OF SEQ ID NOS: 15109
SEQ ID NO 13846
LENGTH: 256
TYPE: PRT
ORGANISM: Streptomyces avermitilis
US-10-156-761-13846

Query Match 78.6%; Score 33; DB 4; Length 256;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 LDRFLA 7
Db 11 LDRFLA 17

Search completed: February 7, 2006, 13:47:32
Job time : 65.9191 secs

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OM protein - protein search, using sw model

Run on: February 7, 2006, 13:36:27 ; Search time 4.30851 Seconds
(without alignments)
24.478 Million cell updates/sec

Title: US-10-006-177A-8
Perfect score: 42
Sequence: 1 LLDRFLATV 9

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 88029 seqs, 11718060 residues

Total number of hits satisfying chosen parameters: 88029

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA_New.*
1: /cgn2_6/prodata/2/pubpaa/US08_NEW_PUB.pdb.*
2: /cgn2_6/prodata/2/pubpaa/US06_NEW_PUB.pdb.*
3: /cgn2_6/prodata/2/pubpaa/US07_NEW_PUB.pdb.*
4: /cgn2_6/prodata/2/pubpaa/PCT_NEW_PUB.pdb.*
5: /cgn2_6/prodata/2/pubpaa/US05_NEW_PUB.pdb.*
6: /cgn2_6/prodata/2/pubpaa/US10_NEW_PUB.pdb.*
7: /cgn2_6/prodata/2/pubpaa/US11_NEW_PUB.pdb.*
8: /cgn2_6/prodata/2/pubpaa/US60_NEW_PUB.pdb.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	33	78.6	471	7	US-11-024-959-399 Sequence 399, App
2	31	73.8	160	6	US-10-821-234-863 Sequence 863, App
3	31	73.8	434	7	US-11-024-959-278 Sequence 278, App
4	31	73.8	434	7	US-11-024-959-512 Sequence 512, App
5	31	73.8	441	7	US-11-024-959-280 Sequence 280, App
6	31	73.8	441	7	US-11-024-959-281 Sequence 281, App
7	31	73.8	485	6	US-10-821-234-934 Sequence 934, App
8	30	71.4	18	7	US-11-073-112-21 Sequence 21, Appl
9	30	71.4	312	6	US-10-858-730-117 Sequence 117, App
10	30	71.4	864	7	US-11-194-246-343 Sequence 343, App
11	29	69.0	349	7	US-11-028-922A-2 Sequence 2, Appli
12	29	69.0	352	7	US-11-028-922A-1 Sequence 1, Appli
13	29	69.0	412	7	US-11-024-959-282 Sequence 282, App
14	29	69.0	1680	6	US-10-517-939-362 Sequence 362, App
15	29	69.0	3507	7	US-11-075-185-7 Sequence 7, Appli
16	28	66.7	10	6	US-10-431-638-28 Sequence 28, Appl
17	28	66.7	14	6	US-10-431-638-45 Sequence 45, Appl
18	28	66.7	18	6	US-10-431-638-42 Sequence 42, Appl
19	28	66.7	22	6	US-10-431-638-44 Sequence 44, Appl
20	28	66.7	24	6	US-10-431-638-40 Sequence 40, Appl
21	28	66.7	35	6	US-10-431-638-25 Sequence 25, Appl
22	28	66.7	49	6	US-10-431-638-35 Sequence 35, Appl
23	28	66.7	203	7	US-11-055-822-992 Sequence 992, App
24	28	66.7	216	6	US-10-995-561-522 Sequence 522, App
25	28	66.7	339	7	US-11-157-930-4 Sequence 4, Appli

26	28	66.7	352	6	US-10-995-561-523 Sequence 523, App
27	28	66.7	352	7	US-11-068-686-2 Sequence 2, Appli
28	28	66.7	352	7	US-11-127-877-61 Sequence 61, Appl
29	28	66.7	359	6	US-10-055-877-272 Sequence 272, App
30	28	66.7	367	7	US-11-157-930-6 Sequence 6, Appli
31	28	66.7	374	7	US-11-009-658-54 Sequence 54, Appli
32	28	66.7	399	7	US-11-147-047-35 Sequence 35, Appli
33	28	66.7	532	7	US-11-152-747-2 Sequence 2, Appli
34	28	66.7	532	7	US-11-147-915-2 Sequence 2, Appli
35	28	66.7	532	7	US-11-147-915-14 Sequence 14, Appl
36	28	66.7	532	7	US-11-147-915-18 Sequence 18, Appl
37	28	66.7	532	7	US-11-147-915-20 Sequence 20, Appl
38	28	66.7	532	7	US-11-147-915-22 Sequence 22, Appl
39	28	66.7	532	7	US-11-147-915-24 Sequence 24, Appl
40	28	66.7	532	7	US-11-147-915-26 Sequence 26, Appl
41	28	66.7	532	7	US-11-147-915-28 Sequence 28, Appl
42	28	66.7	532	7	US-11-147-915-30 Sequence 30, Appl
43	28	66.7	532	7	US-11-147-915-32 Sequence 32, Appl
44	28	66.7	532	7	US-11-147-915-34 Sequence 34, Appl
45	28	66.7	532	7	US-11-147-915-36 Sequence 36, Appl

ALIGNMENTS

RESULT 1
US-11-024-959-399
; Sequence 399, Application US/11024959
; Publication No. US2006010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 044463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 399
; LENGTH: 471
; TYPE: PRT
; ORGANISM: Pinus radiata
US-11-024-959-399

Query Match 78.6%; Score 33; DB 7; Length 471;
Best Local Similarity 75.0%; Pred. No. 11;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLDRFLAT 8
Db 279 LLDRFLAT 286

RESULT 2
US-10-821-234-863
; Sequence 863, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234

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; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 863_
; LENGTH: 160
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-863

Query Match          73.8%; Score 31; DB 6; Length 160;
Best Local Similarity 75.0%; Pred. No. 8.8;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      2 LDRFLATV 9
       ||:||||:
Db      144 LDKFLASV 151

RESULT 3
US-11-024-959-278
; Sequence 278, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 044463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 278
; LENGTH: 434
; TYPE: PRT
; ORGANISM: Eucalyptus sp.
US-11-024-959-278

Query Match          73.8%; Score 31; DB 7; Length 434;
Best Local Similarity 85.7%; Pred. No. 27;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 LLDRLFLA 7
       |:|||||
Db      238 LIDRFLA 244

RESULT 4
US-11-024-959-512
; Sequence 512, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 044463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 512
; LENGTH: 434
; TYPE: PRT
; ORGANISM: Eucalyptus sp.
US-11-024-959-512

Query Match          73.8%; Score 31; DB 7; Length 434;
Best Local Similarity 85.7%; Pred. No. 27;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 LLDRLFLA 7
       |:|||||
Db      243 LIDRFLA 249

RESULT 5
US-11-024-959-280
; Sequence 280, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 044463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 280
; LENGTH: 441
; TYPE: PRT
; ORGANISM: Eucalyptus sp.
US-11-024-959-280

Query Match          73.8%; Score 31; DB 7; Length 441;
Best Local Similarity 85.7%; Pred. No. 27;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 LLDRLFLA 7
       |:|||||
Db      243 LIDRFLA 249

RESULT 6
US-11-024-959-281
; Sequence 281, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 044463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 281
; LENGTH: 441
; TYPE: PRT
; ORGANISM: Eucalyptus sp.
US-11-024-959-281

Query Match          73.8%; Score 31; DB 7; Length 441;
Best Local Similarity 85.7%; Pred. No. 27;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 LLDRLFLA 7
       |:|||||
Db      243 LIDRFLA 249
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; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 281
; LENGTH: 441
; TYPE: PRT
; ORGANISM: Eucalyptus sp.
US-11-024-959-281

Query Match 73.8%; Score 31; DB 7; Length 441;
Best Local Similarity 85.7%; Pred. No. 27;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLDRELA 7
Db 243 LIDRELA 249

RESULT 7
US-10-821-234-934
; Sequence 934, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 934
; LENGTH: 485
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-934

Query Match 73.8%; Score 31; DB 6; Length 485;
Best Local Similarity 75.0%; Pred. No. 30;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 2 LDRELATV 9
Db 258 LDRELATV 265

RESULT 8
US-11-073-112-21
; Sequence 21, Application US/11073112
; Publication No. US20050260627A1
; GENERAL INFORMATION:
; APPLICANT: Hintz et al.
; TITLE OF INVENTION: Mannosidases and Methods for using the Same
; FILE REFERENCE: 62447-02
; CURRENT APPLICATION NUMBER: US/11/073,112
; CURRENT FILING DATE: 2005-03-03
; PRIOR APPLICATION NUMBER: US 10/089,211
; PRIOR FILING DATE: 2002-02-25
; PRIOR APPLICATION NUMBER: PCT/US00/27210
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/157,341
; PRIOR FILING DATE: 1999-10-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 21
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:

; OTHER INFORMATION: synthetic signal sequence
US-11-073-112-21

Query Match 71.4%; Score 30; DB 7; Length 18;
Best Local Similarity 62.5%; Pred. No. 1.2;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 2 LDRELATV 9
Db 1 MDREFLAVI 8

RESULT 9
US-10-858-730-117
; Sequence 117, Application US/10858730
; Publication No. US20050255568A1
; GENERAL INFORMATION:
; APPLICANT: Bailey, Richard B.
; APPLICANT: Blomquist, Paul
; APPLICANT: Doten, Reed
; APPLICANT: Driggers, Edward M.
; APPLICANT: Madden, Kevin T.
; APPLICANT: O'Leary, Jessica
; APPLICANT: O'Toole, George
; APPLICANT: Trueheart, Joshua
; APPLICANT: Walbridge, Michael J.
; APPLICANT: Yorgey, Peter S.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR AMINO ACID
; TITLE OF INVENTION: PRODUCTION
; FILE REFERENCE: 14184-030001
; CURRENT APPLICATION NUMBER: US/10/858,730
; CURRENT FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/475,000
; PRIOR FILING DATE: 2003-05-30
; PRIOR APPLICATION NUMBER: US 60/551,860
; PRIOR FILING DATE: 2004-03-10
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 117
; LENGTH: 312
; TYPE: PRT
; ORGANISM: Lactobacillus plantarum
US-10-858-730-117

Query Match 71.4%; Score 30; DB 6; Length 312;
Best Local Similarity 66.7%; Pred. No. 30;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LLDRELATV 9
Db 243 LIDGFLATM 251

RESULT 10
US-11-194-246-343
; Sequence 343, Application US/11194246
; Publication No. US2005027089A1
; GENERAL INFORMATION:
; APPLICANT: Mott, John
; APPLICANT: Trepod, Catherine
; APPLICANT: Arvidson, Staffan
; TITLE OF INVENTION: CRITICAL GENES AND POLYPEPTIDES OF HAEMOPHILUS INFLUENZAE AND MET
; FILE REFERENCE: 00592.US1 (M&R 268.05920101)
; CURRENT APPLICATION NUMBER: US/11/194,246
; CURRENT FILING DATE: 2005-08-01
; PRIOR APPLICATION NUMBER: US/10/274,586
; PRIOR FILING DATE: 2002-10-21
; PRIOR APPLICATION NUMBER: US 60/345,438
; PRIOR FILING DATE: 2001-10-19
; NUMBER OF SEQ ID NOS: 621
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 343

; LENGTH: 864
; TYPE: PRT
; ORGANISM: HAEMOPHILUS INFLUENZAE
US-11-194-246-343

Query Match 71.4%; Score 30; DB 7; Length 864;
Best Local Similarity 75.0%; Pred. No. 94;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 LDRFLAT 8
|:|:|:|
Db 78 LIDAFLAT 85

RESULT 11
US-11-028-922A-2
; Sequence 2, Application US/11028922A
; Publication No. US20050271639A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Marc
; TITLE OF INVENTION: GENETICALLY ENGINEERED FOR THERAPEUTIC APPLICATIONS
; FILE REFERENCE: CCF-7019
; CURRENT APPLICATION NUMBER: US/11/028,922A
; CURRENT FILING DATE: 2005-01-04
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: Patent in version 3.3
; SEQ ID NO 2
; LENGTH: 349
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-11-028-922A-2

Query Match 69.0%; Score 29; DB 7; Length 349;
Best Local Similarity 75.0%; Pred. No. 56;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 LDRFLATV 9
|:|:|:|
Db 129 LDRLAIV 136

RESULT 12
US-11-028-922A-1
; Sequence 1, Application US/11028922A
; Publication No. US20050271639A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Marc
; TITLE OF INVENTION: GENETICALLY ENGINEERED FOR THERAPEUTIC APPLICATIONS
; FILE REFERENCE: CCF-7019
; CURRENT APPLICATION NUMBER: US/11/028,922A
; CURRENT FILING DATE: 2005-01-04
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: Patent in version 3.3
; SEQ ID NO 1
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-028-922A-1

Query Match 69.0%; Score 29; DB 7; Length 352;
Best Local Similarity 75.0%; Pred. No. 56;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 LDRFLATV 9
|:|:|:|
Db 132 LDRLAIV 139

RESULT 13
US-11-024-959-282
; Sequence 282, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:

; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 044463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: Patent in version 3.3
; SEQ ID NO 282
; LENGTH: 412
; TYPE: PRT
; ORGANISM: Eucalyptus sp.
US-11-024-959-282

Query Match 69.0%; Score 29; DB 7; Length 412;
Best Local Similarity 100.0%; Pred. No. 67;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 LDRFLA 7
|:|:|:|
Db 135 LDRFLA 140

RESULT 14
US-10-517-939-362
; Sequence 362, Application US/10517939
; Publication No. US2006000343A1
; GENERAL INFORMATION:
; APPLICANT: Steer, Brian
; APPLICANT: Callen, Walter
; APPLICANT: Healey, Shaun
; APPLICANT: Hazlewood, Geoff
; APPLICANT: Wu, Di
; APPLICANT: Blum, David
; APPLICANT: Esteghlalian, Alireza
; TITLE OF INVENTION: XYLANASES, NUCLEIC ACIDS ENCODING THEM
; TITLE OF INVENTION: AND METHODS FOR MAKING AND USING THEM
; FILE REFERENCE: 564462007901
; CURRENT APPLICATION NUMBER: US/10/517,939
; CURRENT FILING DATE: 2004-12-13
; PRIOR APPLICATION NUMBER: PCT/US03/19153
; PRIOR FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: 60/389,299
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 380
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 362
; LENGTH: 1680
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Obtained from an environmental sample.
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: (1)...(26)
US-10-517-939-362

Query Match 69.0%; Score 29; DB 6; Length 1680;
Best Local Similarity 71.4%; Pred. No. 3.2e+02;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 LDRFLAT 8
|:|:|:|
Db 1375 LDRVIAT 1381

RESULT 15
US-11-075-185-7
; Sequence 7, Application US/11075185
; Publication No. US2005026643A1
; GENERAL INFORMATION:
; APPLICANT: REEVES, CHRISTOPHER D
; APPLICANT: JULIEN, BRYAN
; APPLICANT: REID, RALPH
; TITLE OF INVENTION: BIOSYNTHETIC GENE CLUSTER FOR AMERUTICINS
; FILE REFERENCE: 010099.03
; CURRENT APPLICATION NUMBER: US/11/075,185
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/551,103
; PRIOR FILING DATE: 2004-03-08
; PRIOR APPLICATION NUMBER: US 60/568,290
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: Patent in version 3.3
; SEQ ID NO 7
; LENGTH: 3507
; TYPE: PRT
; ORGANISM: Sorangium cellulosum
US-11-075-185-7

Query Match 69.0%; Score 29; DB 7; Length 3507;
Best Local Similarity 77.8%; Pred. No. 7.3e+02;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 LLDRLPLATV 9
||| |||
Db 1376 LLDRALETV 1384

Search completed: February 7, 2006, 13:48:19
Job time : 4.40851 secs

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OM protein - protein search, using sw model

Run on: February 7, 2006, 12:45:47 ; Search time 25.0426 Seconds
(without alignments)
36.315 Million cell updates/sec

Title: US-10-006-177A-9
Perfect score: 53
Sequence: 1 LLIDKGTIKL 11

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents_AA.*

- 1: /cgn2_6/ptodata/1/iaa/5 COMB.pep.*
- 2: /cgn2_6/ptodata/1/iaa/6 COMB.pep.*
- 3: /cgn2_6/ptodata/1/iaa/H COMB.pep.*
- 4: /cgn2_6/ptodata/1/iaa/PCTUS COMB.pep.*
- 5: /cgn2_6/ptodata/1/iaa/RE COMB.pep.*
- 6: /cgn2_6/ptodata/1/iaa/backfiles.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	53	100.0	82	1	US-08-446-038B-14
2	53	100.0	82	1	US-08-446-010B-14
3	53	100.0	82	1	US-08-805-445-14
4	53	100.0	82	1	US-08-064-067D-14
5	53	100.0	82	1	US-09-066-208-14
6	53	100.0	84	1	US-08-370-225-15
7	53	100.0	84	1	US-08-461-859-15
8	53	100.0	84	4	PCT-US93-10069-15
9	53	100.0	270	1	US-07-857-224B-31
10	53	100.0	297	1	US-08-176-620A-16
11	53	100.0	297	1	US-08-874-347-23
12	53	100.0	297	1	US-08-874-347-24
13	53	100.0	297	1	US-08-461-985-16
14	53	100.0	297	2	US-09-093-522-23
15	53	100.0	297	2	US-09-093-522-24
16	53	100.0	297	2	US-08-932-787B-21
17	53	100.0	297	2	US-08-932-012C-21
18	53	100.0	297	2	US-08-888-818C-21
19	53	100.0	297	2	US-09-411-628-12
20	53	100.0	297	2	US-10-174-794-12
21	53	100.0	299	2	US-09-949-016-10673
22	41	77.4	290	2	US-09-265-585C-103
23	41	77.4	368	2	US-09-265-585C-124
24	41	77.4	653	2	US-09-186-276B-2
25	41	77.4	653	2	US-08-842-445-2
26	41	77.4	653	2	US-09-186-188B-2
27	41	77.4	653	2	US-09-265-585C-2

28 41 77.4 653 2 US-09-265-585C-100 Sequence 100, Appl
29 40 75.5 314 2 US-09-540-236-2121 Sequence 2121, Appl
30 46 75.5 416 2 US-09-457-040B-10 Sequence 10, Appl
31 39 73.6 222 2 US-09-384-162-8 Sequence 8, Appl
32 39 73.6 268 2 US-09-371-338-9 Sequence 9, Appl
33 39 73.6 268 2 US-09-371-338-21 Sequence 21, Appl
34 39 73.6 277 2 US-09-803-671B-6 Sequence 6, Appl
35 39 73.6 277 2 US-09-803-671B-7 Sequence 7, Appl
36 39 73.6 277 2 US-10-274-409-6 Sequence 6, Appl
37 39 73.6 277 2 US-10-274-409-7 Sequence 7, Appl
38 39 73.6 281 2 US-09-248-796A-20512 Sequence 20512, A
39 39 73.6 393 2 US-08-888-429A-21 Sequence 21, Appl
40 39 73.6 393 2 US-09-593-653-21 Sequence 21, Appl
41 39 73.6 430 2 US-09-252-991A-22616 Sequence 22616, A
42 39 73.6 487 2 US-09-206-166-6 Sequence 6, Appl
43 39 73.6 596 2 US-09-248-796A-18495 Sequence 18495, A
44 39 73.6 661 2 US-09-371-338-7 Sequence 7, Appl
45 39 73.6 690 2 US-09-371-338-19 Sequence 19, Appl

ALIGNMENTS

RESULT 1
US-08-446-038B-14
; Sequence 14, Application US/08446038B
; Patent No. 5658791
; GENERAL INFORMATION:
; APPLICANT: Wilks, Andrew P.; Ziemiacki, Andrew;
; APPLICANT: Harpur, Alisa
; TITLE OF INVENTION: No. 5658791e1 Protein Tyrosine Kinase
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Felfe & Lynch
; STREET: 805 Third Avenue
; CITY: New York City
; STATE: New York
; COUNTRY: USA
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/446.038B
; FILING DATE: 19-MAY-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/064,067
; FILING DATE: 30-Jun-1993
; APPLICATION NUMBER: PCT/US91/08889
; FILING DATE: 26-No. 5658791-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: Australian PK3594/90
; FILING DATE: 28-No. 5658791-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: Australian 88229/91
; FILING DATE: 27-No. 5658791-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Hanson, No. 5658791man D.
; REGISTRATION NUMBER: 30,946
; REFERENCE/DOCKET NUMBER: LUD 5244
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-688-9200
; TELEFAX: 212-838-3884
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 82 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-446-038B-14

Query Match 100.0%; Score 53; DB 1; Length 82;
Best Local Similarity 100.0%; Pred. No. 0.0053;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LLIDDKGTIKL 11
| | | | | | | | | |
Db 18 LLIDDKGTIKL 28

RESULT 2

US-08-446-010B-14
; Sequence 14, Application US/08446010B
; Patent No. 5716818
; GENERAL INFORMATION:
; APPLICANT: Wilks, Andrew F.; Ziemiecki, Andrew;
; APPLICANT: Harpur, Ailsa
; TITLE OF INVENTION: No. 5716818el Protein Tyrosine Kinase
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Felfe & Lynch
; STREET: 805 Third Avenue
; CITY: New York City
; STATE: New York
; COUNTRY: USA
; ZIP: 10022

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage

COMPUTER: IBM PS/2

OPERATING SYSTEM: PC-DOS

SOFTWARE: Wordperfect

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/446,010B

FILING DATE: 19-May-1995

CLASSIFICATION: 433

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/446,038

FILING DATE: 19-May-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/064,067

FILING DATE: 30-Jun-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US91/08889

FILING DATE: 26-No. 5716818-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: Australian PK3594/90

FILING DATE: 28-No. 5716818-1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: Australian 88229/91

FILING DATE: 27-No. 5716818-1991

ATTORNEY/AGENT INFORMATION:

NAME: Baer, Madeline F.

REGISTRATION NUMBER: 36,437

REFERENCE/DOCKET NUMBER: LUD 5244.3

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-688-9200

TELEFAX: 212-838-3884

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:

LENGTH: 82 amino acids

TYPE: amino acid

TOPOLOGY: linear

US-08-446-010B-14

Query Match 100.0%; Score 53; DB 1; Length 82;
Best Local Similarity 100.0%; Pred. No. 0.0053;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LLIDDKGTIKL 11
| | | | | | | | | |
Db 18 LLIDDKGTIKL 28

RESULT 3

US-08-805-445-14
; Sequence 14, Application US/08805445
; Patent No. 5821069
; GENERAL INFORMATION:
; APPLICANT: Wilks, Andrew F.; Ziemiecki, Andrew;
; APPLICANT: Harpur, Ailsa
; TITLE OF INVENTION: No. 5821069el Protein Tyrosine Kinase
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Felfe & Lynch
; STREET: 805 Third Avenue
; CITY: New York City
; STATE: New York
; COUNTRY: USA
; ZIP: 10022

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage

COMPUTER: IBM PS/2

OPERATING SYSTEM: PC-DOS

SOFTWARE: Wordperfect

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/805,445

FILING DATE: 25-FEB-1997

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/446,038

FILING DATE: 19-MAY-1995

APPLICATION NUMBER: 08/064,067

FILING DATE: 30-Jun-1993

APPLICATION NUMBER: PCT/US91/08889

FILING DATE: 26-No. 5821069-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: Australian PK3594/90

FILING DATE: 28-No. 5821069-1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: Australian 88229/91

FILING DATE: 27-No. 5821069-1991

ATTORNEY/AGENT INFORMATION:

NAME: Hanson, No. 5821069man D.

REGISTRATION NUMBER: 30,946

REFERENCE/DOCKET NUMBER: LUD 5244

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-688-9200

TELEFAX: 212-838-3884

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:

LENGTH: 82 amino acids

TYPE: amino acid

TOPOLOGY: linear

US-08-805-445-14

Query Match 100.0%; Score 53; DB 1; Length 82;
Best Local Similarity 100.0%; Pred. No. 0.0053;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LLIDDKGTIKL 11
| | | | | | | | | |
Db 18 LLIDDKGTIKL 28

RESULT 4

US-08-064-067D-14
; Sequence 14, Application US/08064067D
; Patent No. 5852184
; GENERAL INFORMATION:
; APPLICANT: Wilks, Andrew F.; Ziemiecki, Andrew;
; APPLICANT: Harpur, Ailsa
; TITLE OF INVENTION: No. 5852184el Protein Tyrosine Kinase
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Felfe & Lynch
; STREET: 805 Third Avenue
; CITY: New York City

STATE: New York
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
COMPUTER: IBM PS/2
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/064,067D
FILING DATE: 30-Jun-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US91/08889
FILING DATE: 26-No. 5852184-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: Australian PK3594/90
FILING DATE: 28-No. 5852184-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: Australian 88229/91
FILING DATE: 27-No. 5852184-1991
NAME: Hanson, No. 5852184man D.
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: LUD 5244
TELEPHONE: 212-688-9200
TELEFAX: 212-838-3884
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 82 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-064-067D-14

Query Match 100.0%; Score 53; DB 1; Length 82;
Best Local Similarity 100.0%; Pred. No. 0.0053;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
| | | | | | | | | |
Db 18 LLIDDKGTIKL 28

RESULT 5
US-09-066-208-14
Sequence 14, Application US/09066208
Patent No. 5910426
GENERAL INFORMATION:
APPLICANT: Wilks, Andrew F.; Zieniecki, Andrew;
APPLICANT: Harpur, Aileas
TITLE OF INVENTION: No. 5910426el Protein Tyrosine Kinase
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felie & Lynch
STREET: 805 Third Avenue
CITY: New York City
STATE: New York
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
COMPUTER: IBM PS/2
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/066,208
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/805,445
FILING DATE: 25-FEB-1997
APPLICATION NUMBER: US 08/446,038
FILING DATE: 19-MAY-1995

APPLICATION NUMBER: 08/064,067
FILING DATE: 30-Jun-1993
APPLICATION NUMBER: PCT/US91/08889
FILING DATE: 26-No. 5910426-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: Australian PK3594/90
FILING DATE: 28-No. 5910426-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: Australian 88229/91
FILING DATE: 27-No. 5910426-1991
ATTORNEY/AGENT INFORMATION:
NAME: Hanson, No. 5910426man D.
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: LUD 5244
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-688-9200
TELEFAX: 212-838-3884
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 82 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-09-066-208-14

Query Match 100.0%; Score 53; DB 1; Length 82;
Best Local Similarity 100.0%; Pred. No. 0.0053;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
| | | | | | | | | |
Db 18 LLIDDKGTIKL 28

RESULT 6
US-08-370-225-15
Sequence 15, Application US/08370225
Patent No. 5580736
GENERAL INFORMATION:
APPLICANT: Brent, Roger
APPLICANT: Gyuris, Jero
APPLICANT: Golemis, Erica
TITLE OF INVENTION: Interaction Trap System for Isolating
TITLE OF INVENTION: NO. 5580736el Proteins
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 502 or 55SX
OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTWARE: Wordperfect (Version 5.1)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/370,225
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/969,038
FILING DATE: 10/30/92
ATTORNEY/AGENT INFORMATION:
NAME: Clark, Paul T.
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 00786/143001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:

```
; ;
; LENGTH: 84
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
US-08-370-225-15

Query Match 100.0%; Score 53; DB 1; Length 84;
Best Local Similarity 100.0%; Pred. No. 0.0054;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
Db 61 LLIDDKGTIKL 71

RESULT 7
US-08-461-859-15
; Sequence 15, Application US/08461859
; Patent No 5786169
; GENERAL INFORMATION:
; APPLICANT: Brent, Roger
; APPLICANT: Gyuris, Jeno
; APPLICANT: Golemis, Erica
; TITLE OF INVENTION: Interaction Trap System for Isolating
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM PS/2 Model 502 or 55SX
; OPERATING SYSTEM: MS-DOS (Version 5.0)
; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/461,859
; FILING DATE: June 5, 1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/370,225
; FILING DATE: January 9, 1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/969,038
; FILING DATE: October 30, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Lech, Karen F.
; REGISTRATION NUMBER: 35,238
; REFERENCE/DOCKET NUMBER: 00786/143002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 15:
; LENGTH: 84
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
US-08-461-859-15

Query Match 100.0%; Score 53; DB 1; Length 84;
Best Local Similarity 100.0%; Pred. No. 0.0054;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
Db 61 LLIDDKGTIKL 71

RESULT 8
PCT-US93-10069-15
; Sequence 15, Application PC/TUS9310069
; GENERAL INFORMATION:
; APPLICANT: Brent, Roger
; APPLICANT: Gyuris, Jeno
; APPLICANT: Golemis, Erica
; TITLE OF INVENTION: Interaction Trap System for Isolating
; NUMBER OF SEQUENCES: 33
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM PS/2 Model 502 or 55SX
; OPERATING SYSTEM: MS-DOS (Version 5.0)
; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/10069
; FILING DATE: 20-OCT-1993
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/969,038
; FILING DATE: 10/30/92
; ATTORNEY/AGENT INFORMATION:
; NAME: Clark, Paul T.
; REGISTRATION NUMBER: 30,162
; REFERENCE/DOCKET NUMBER: 00786/143001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 15:
; LENGTH: 84
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
PCT-US93-10069-15

Query Match 100.0%; Score 53; DB 4; Length 84;
Best Local Similarity 100.0%; Pred. No. 0.0054;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
Db 61 LLIDDKGTIKL 71

RESULT 9
US-07-857-224B-31
; Sequence 31, Application US/07857224B
; Patent No. 5958784
; GENERAL INFORMATION:
; APPLICANT: Benner, Steven A.
; TITLE OF INVENTION: Predicting Folded Structures of Proteins
; NUMBER OF SEQUENCES: 114
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Steven A. Benner
; STREET: Hadlaubstrasse 151
; CITY: Zurich
; STATE: none
; COUNTRY: Switzerland
; ZIP: (note: this is an international post code) CH-8092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch diskette, 1.4 Mb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 7.0
```

SOFTWARE: Microsoft Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/857,224B
FILING DATE: 03/25/92
CLASSIFICATION: 436
PRIOR APPLICATION DATA: none
TELECOMMUNICATION INFORMATION:
TELEPHONE: (International) 41 1 632 2830
TELEFAX: (International) 41 1 262 2437
TELEX: none
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 270
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
DESCRIPTION: protein
ORIGINAL SOURCE:
ORGANISM: human
FEATURE: Protein kinase; Table 8 Column 35
PUBLICATION INFORMATION:
AUTHORS:
AUTHORS: Hanks, S. K.
AUTHORS: Quinn, A. M.
AUTHORS: Hunter, T.
TITLE: The protein kinase family
JOURNAL: Science
VOLUME: 241
PAGES: 42-52
DATE: 1988
US-07-857-224B-31

Query Match 100.0%; Score 53; DB 1; Length 270;
Best Local Similarity 100.0%; Pred. No. 0.021;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
|||||
Db 133 LLIDDKGTIKL 143

RESULT 10
US-08-176-620A-16
Sequence 16, Application US/08176620A
Patent No. 5595904
GENERAL INFORMATION:
APPLICANT: Boulton, Teri G.
APPLICANT: Cobb, Melanie H.
APPLICANT: Yancopoulos, George D.
APPLICANT: Nye, Steven
APPLICANT: Panayotatos, Nikos
TITLE OF INVENTION: A Family of Map2 Protein Kinases
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/176.620A
FILING DATE: 03-JAN-1994
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Mistock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 6526-123

TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 297 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-176-620A-16

Query Match 100.0%; Score 53; DB 1; Length 297;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
|||||
Db 134 LLIDDKGTIKL 144

RESULT 11
US-08-874-347-23
Sequence 23, Application US/08874347
Patent No. 5863741
GENERAL INFORMATION:
APPLICANT: Limper, Andrew H.
APPLICANT: Leof, Edward B.
APPLICANT: Thomas, Charles F.
APPLICANT: Gustafson, Michael P.
TITLE OF INVENTION: CDC2 PROTEIN KINASE FROM PNEUMOCYSTIS
TITLE OF INVENTION: CARINII
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C., P.A.
STREET: 60 South Sixth Street, Suite 3300
CITY: Minneapolis
STATE: MN
COUNTRY: USA
ZIP: 55402
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/874,347
FILING DATE: 13-JUN-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Ellinger, Mark S.
REGISTRATION NUMBER: 34,812
REFERENCE/DOCKET NUMBER: 07039/055001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 612-335-5070
TELEFAX: 612-288-9696
TELEX:
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 297 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-874-347-23

Query Match 100.0%; Score 53; DB 1; Length 297;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
|||||

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Db      134 LLIDDKGTIKL 144

; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/461,985
; FILING DATE: 05-JUN-1995
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/176,620
; FILING DATE: 03-JAN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 6526-123
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 297 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-461-985-16

Query Match      100.0%; Score 53; DB 1; Length 297;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LLIDDKGTIKL 11
        |||||
Db      134 LLIDDKGTIKL 144

RESULT 14
US-09-093-522-23
; Sequence 23, Application US/09093522
; Patent No. 6015700
; GENERAL INFORMATION:
; APPLICANT: Limper, Andrew H.
; APPLICANT: Leof, Edward B.
; APPLICANT: Thomas, Charles F.
; APPLICANT: Gustafson, Michael P.
; TITLE OF INVENTION: CDC2 PROTEIN KINASE FROM PNEUMOCYSTIS
; TITLE OF INVENTION: CARINII
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C., P.A.
; STREET: 60 South Sixth Street, Suite 3300
; CITY: Minneapolis
; STATE: MN
; COUNTRY: USA
; ZIP: 55402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/093,522
; FILING DATE: 08-JUN-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/874,347
; FILING DATE: 13-JUN-1997
; ATTORNEY/AGENT INFORMATION:

; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/461,985
; FILING DATE: 05-JUN-1995
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/176,620
; FILING DATE: 03-JAN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 6526-123
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 297 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-461-985-16

Query Match      100.0%; Score 53; DB 1; Length 297;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LLIDDKGTIKL 11
        |||||
Db      134 LLIDDKGTIKL 144

RESULT 13
US-08-461-985-16
; Sequence 16, Application US/08461985
; Patent No. 5872006
; GENERAL INFORMATION:
; APPLICANT: Boulton, Teri G.
; APPLICANT: Cobb, Melanie H.
; APPLICANT: Yancopoulos, George D.
; APPLICANT: Nye, Steven
; APPLICANT: Panayotatos, Nikos
; TITLE OF INVENTION: A Family of Map2 Protein Kinases
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
```

NAME: Ellinger, Mark S.
REGISTRATION NUMBER: 34,812
REFERENCE/DOCKET NUMBER: 07039/055002
TELECOMMUNICATION INFORMATION:
TELEPHONE: 612-335-5070
TELEFAX: 612-288-9696
TELEX:
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 297 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-093-522-23

Query Match 100.0%; Score 53; DB 2; Length 297;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 LLIDDKGTIKL 11
Db 134 LLIDDKGTIKL 144

RESULT 15
US-09-093-522-24
Sequence 24, Application US/09093522
Patent No. 6015700
GENERAL INFORMATION:
APPLICANT: Limper, Andrew H.
APPLICANT: Leaf, Edward B.
APPLICANT: Thomas, Charles F.
APPLICANT: Gustafson, Michael P.
TITLE OF INVENTION: CDC2 PROTEIN KINASE FROM PNEUMOCYSTIS
TITLE OF INVENTION: CARINII
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C., P.A.
STREET: 60 South Sixth Street, Suite 3300
CITY: Minneapolis
STATE: MN
COUNTRY: USA
ZIP: 55402
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/093,522
FILING DATE: 08-JUN-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/874,347
FILING DATE: 13-JUN-1997
ATTORNEY/AGENT INFORMATION:
NAME: Ellinger, Mark S.
REGISTRATION NUMBER: 34,812
REFERENCE/DOCKET NUMBER: 07039/055002
TELECOMMUNICATION INFORMATION:
TELEPHONE: 612-335-5070
TELEFAX: 612-288-9696
TELEX:
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 297 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-093-522-24

Query Match 100.0%; Score 53; DB 2; Length 297;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 LLIDDKGTIKL 11
Db 134 LLIDDKGTIKL 144
Search completed: February 7, 2006, 12:49:40
Job time : 26.0426 secs

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OM protein - protein search, using sw model

Run on: February 7, 2006, 13:34:34 ; Search time 79.2234 Seconds
(without alignments)
58.015 Million cell updates/sec

Title: US-10-006-177A-9
Sequence: 1 LLIDDKGRIKL 11

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA Main:
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2: /cgn2_6/protdata/1/pubpaa/US08_PUBCOMB.pep.*
3: /cgn2_6/protdata/1/pubpaa/US09_PUBCOMB.pep.*
4: /cgn2_6/protdata/1/pubpaa/US10A_PUBCOMB.pep.*
5: /cgn2_6/protdata/1/pubpaa/US10B_PUBCOMB.pep.*
6: /cgn2_6/protdata/1/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	53	100.0	11	4	US-10-006-177-9
2	53	100.0	297	4	US-10-060-065-11
3	53	100.0	297	4	US-10-059-585-32
4	53	100.0	297	4	US-10-177-293-41
5	53	100.0	297	4	US-10-174-794-12
6	53	100.0	297	4	US-10-204-041-8
7	53	100.0	297	4	US-10-394-322A-6
8	53	100.0	297	4	US-10-764-425-123
9	53	100.0	297	4	US-10-788-792-155
10	53	100.0	297	5	US-10-733-878-419
11	53	100.0	297	5	US-10-723-860-2448
12	53	100.0	297	5	US-10-751-736-67
13	53	100.0	297	5	US-10-732-923-1435
14	53	100.0	297	5	US-10-756-149-5363
15	48	90.6	303	5	US-10-732-923-1274
16	43	81.1	275	4	US-10-369-493-3142
17	43	81.1	300	5	US-10-732-923-1413
18	43	81.1	301	5	US-10-732-923-1415
19	43	81.1	303	5	US-10-732-923-1273
20	43	81.1	303	5	US-10-732-923-1274
21	43	81.1	303	5	US-10-732-923-1276
22	43	81.1	303	5	US-10-732-923-1277
23	43	81.1	303	5	US-10-732-923-1423
24	43	81.1	666	5	US-10-732-923-13560
25	42	79.2	302	5	US-10-732-923-1408
26	42	79.2	502	6	US-11-007-819-47
27	41	77.4	150	4	US-10-767-701-47655

28	41	77.4	460	4	US-10-425-114-38285	Sequence 38285, A
29	41	77.4	653	3	US-09-186-276B-2	Sequence 2, Appli
30	41	77.4	653	3	US-09-186-188B-2	Sequence 2, Appli
31	41	77.4	653	4	US-10-253-007-2	Sequence 2, Appli
32	40	75.5	347	4	US-10-424-599-206897	Sequence 206897,
33	39	73.6	111	4	US-10-425-115-281303	Sequence 281303,
34	39	73.6	133	4	US-10-424-599-218483	Sequence 218483,
35	39	73.6	230	4	US-10-424-599-234424	Sequence 234424,
36	39	73.6	257	4	US-10-437-963-128173	Sequence 128173,
37	39	73.6	268	4	US-10-643-434-9	Sequence 9, Appli
38	39	73.6	268	4	US-10-643-434-21	Sequence 21, Appli
39	39	73.6	277	4	US-10-274-409-6	Sequence 6, Appli
40	39	73.6	277	4	US-10-274-409-7	Sequence 7, Appli
41	39	73.6	277	5	US-10-932-135-6	Sequence 6, Appli
42	39	73.6	277	5	US-10-932-135-7	Sequence 7, Appli
43	39	73.6	393	4	US-10-137-953-21	Sequence 21, Appli
44	39	73.6	442	4	US-10-425-114-54528	Sequence 54528, A
45	39	73.6	448	4	US-10-425-115-314707	Sequence 314707,

ALIGNMENTS

RESULT 1

US-10-006-177-9
; Sequence 9, Application US/10006177
; Publication No. US20030165513A1
; GENERAL INFORMATION:
; APPLICANT: Ramakrishna, Venky
; APPLICANT: Rose, Mark
; APPLICANT: Philip, Ramila
; TITLE OF INVENTION: Cytotoxic T-Lymphocyte-Inducing Immunogens for Prevention, Treat
; TITLE OF INVENTION: Diagnosis of Cancer
; FILE REFERENCE: 26747-35
; CURRENT APPLICATION NUMBER: US/10/006,177
; CURRENT FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: US/60/251,022
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: US/60/256,824
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 9
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Epitopic Peptide
US-10-006-177-9

Query Match 100.0%; Score 53; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.0028;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LLIDDKGRIKL 11
|||
Db 1 LLIDDKGRIKL 11

RESULT 2

US-10-060-065-11
; Sequence 11, Application US/10060065
; Publication No. US20030017480A1
; GENERAL INFORMATION:
; APPLICANT: Toshio Ota
; APPLICANT: Takao Isogai
; APPLICANT: Tetsuo Nishikawa
; APPLICANT: Koji Hayashi
; APPLICANT: Kaoru Otsuka
; APPLICANT: Jun-ichi Yamamoto
; APPLICANT: Shizuko Ishii
; APPLICANT: Tomoyasu Sugiyama
; APPLICANT: Ai Wakamatsu

```
; APPLICANT: Keiichi Nagai
; APPLICANT: Tetsuji Otsuki
; APPLICANT: Shin-Ichi Funahashi
; APPLICANT: Chiaki Senoo
; APPLICANT: Jun-Ichi Nezu
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN KINASE/PROTEIN PHOSPHATASE
; FILE REFERENCE: 06501-099002
; CURRENT APPLICATION NUMBER: US/10/060,065
; CURRENT FILING DATE: 2002-01-29
; PRIOR APPLICATION NUMBER: PCT/JP00/05061
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: US 60/159,590
; PRIOR FILING DATE: 1999-10-18
; PRIOR APPLICATION NUMBER: US 60/183,322
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: JP 11-248036
; PRIOR FILING DATE: 1999-07-29
; PRIOR APPLICATION NUMBER: JP 2000-118776
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: JP 2000-183767
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: JP 2000-241899
; PRIOR FILING DATE: 2000-06-09
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 11
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-060-065-11

Query Match 100.0%; Score 53; DB 4; Length 297;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
Db 134 LLIDDKGTIKL 144

RESULT 3
US-10-059-585-32
; Sequence 32, Application US/10059585
; Publication No. US20030082776A1
; GENERAL INFORMATION:
; APPLICANT: Ota, Toshio
; APPLICANT: Isogai, Takao
; APPLICANT: Nishikawa, Tetsuo
; APPLICANT: Hayashi, Koji
; APPLICANT: Otsuka, Kaoru
; APPLICANT: Yamamoto, Jun-ichi
; APPLICANT: Ishii, Shizuko
; APPLICANT: Sugiyama, Tomoyasu
; APPLICANT: Wakamatsu, Ai
; APPLICANT: Nagai, Keiichi
; APPLICANT: Otsuki, Tetsuji
; APPLICANT: Funahashi, Shin-Ichi
; APPLICANT: Senoo, Chiaki
; APPLICANT: Nezu, Jun-Ichi
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN KINASE/PROTEIN PHOSPHATASE
; FILE REFERENCE: 06501-098001
; CURRENT APPLICATION NUMBER: US/10/059,585
; CURRENT FILING DATE: 2002-01-29
; PRIOR APPLICATION NUMBER: PCT/JP00/05060
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: US 60/183,322
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: US 60/159,590
; PRIOR FILING DATE: 1999-10-18
; PRIOR APPLICATION NUMBER: JP 2000-118776
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: JP 2000-183767
```

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; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: JP 11-248036
; PRIOR FILING DATE: 1999-07-29
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 32
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-059-585-32

Query Match 100.0%; Score 53; DB 4; Length 297;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
Db 134 LLIDDKGTIKL 144

RESULT 4
US-10-177-293-41
; Sequence 41, Application US/10177293
; Publication No. US20030124128A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Gannavarpu, Manjula
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Mertens, Maureen
; APPLICANT: Myer, Vic
; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongyao
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Bast Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Pusztai, Lajos
; APPLICANT: Meric, Funda
; APPLICANT: Sahin, Aysegul
; APPLICANT: Mills, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-038
; CURRENT APPLICATION NUMBER: US/10/177,293
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: US 60/306,501
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 506
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 41
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-177-293-41

Query Match 100.0%; Score 53; DB 4; Length 297;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
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Db 134 LLIDDKGTIKL 144

RESULT 5
US-10-174-794-12
; Sequence 12, Application US/10174794
; Publication No. US20030166220A1
; GENERAL INFORMATION:
; APPLICANT: University of Southern California
; TITLE OF INVENTION: CDNA, GENOMIC, AND PREDICTED PROTEIN
; FILE REFERENCE: 13761-707
; CURRENT APPLICATION NUMBER: US/10/174,794
; PRIOR FILING DATE: 2002-06-18
; PRIOR APPLICATION NUMBER: US/09/411,628
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: US 60/102,906
; PRIOR FILING DATE: 1998-10-02
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-174-794-12

Query Match 100.0%; Score 53; DB 4; Length 297;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LLIDDKGTIKL 11
Db 134 LLIDDKGTIKL 144

RESULT 6
US-10-204-041-8
; Sequence 8, Application US/10204041
; Publication No. US20030176443A1
; GENERAL INFORMATION:
; APPLICANT: STEIN-GERLACH, MATTHIAS
; APPLICANT: SALASSIDIS, KONSTANTINOS
; APPLICANT: BACHER, GERALD
; APPLICANT: MULLER, STEFAN
; TITLE OF INVENTION: Pyridylpyrimidine Derivatives as Effective Compounds Against Prion
; FILE REFERENCE: AXM-007.1P US
; CURRENT APPLICATION NUMBER: US/10/204,041
; PRIOR FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: EP 01111858.5
; PRIOR FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: PCT/EP02/05420
; PRIOR FILING DATE: 2002-05-16
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-204-041-8

Query Match 100.0%; Score 53; DB 4; Length 297;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LLIDDKGTIKL 11
Db 134 LLIDDKGTIKL 144

RESULT 7
US-10-394-322A-6
; Sequence 6, Application US/10394322A
; Publication No. US20030232391A1
; GENERAL INFORMATION:
; APPLICANT: SUNESIS PHARMACEUTICALS, INC.
; APPLICANT: Prescott, John C.
; TITLE OF INVENTION: IDENTIFICATION OF KINASE INHIBITORS
; FILE REFERENCE: 39750-0006 US
; CURRENT APPLICATION NUMBER: US/10/394,322A
; CURRENT FILING DATE: 2003-03-20
; PRIOR APPLICATION NUMBER: US 60/366,892
; PRIOR FILING DATE: 2002-03-21
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-394-322A-6

Query Match 100.0%; Score 53; DB 4; Length 297;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LLIDDKGTIKL 11
Db 134 LLIDDKGTIKL 144

RESULT 8
US-10-764-425-123
; Sequence 123, Application US/10764425
; Publication No. US20040146921A1
; GENERAL INFORMATION:
; APPLICANT: Bayer Pharmaceuticals Corporation
; APPLICANT: Eveleigh, Deepa
; APPLICANT: Bigwood, Douglas
; TITLE OF INVENTION: EXPRESSION PROFILES FOR COLON CANCER AND METHODS OF USE
; FILE REFERENCE: 5151
; CURRENT APPLICATION NUMBER: US/10/764,425
; CURRENT FILING DATE: 2004-01-23
; PRIOR APPLICATION NUMBER: 60/442,582
; PRIOR FILING DATE: 2003-01-24
; NUMBER OF SEQ ID NOS: 191
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 123
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-764-425-123

Query Match 100.0%; Score 53; DB 4; Length 297;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LLIDDKGTIKL 11
Db 134 LLIDDKGTIKL 144

RESULT 9
US-10-788-792-155
; Sequence 155, Application US/10788792
; Publication No. US20040191819A1
; GENERAL INFORMATION:
; APPLICANT: Bayer Pharmaceuticals Corporation
; APPLICANT: Eveleigh, Deepa
; APPLICANT: Bigwood, Douglas
; TITLE OF INVENTION: EXPRESSION PROFILES FOR BREAST CANCER AND METHODS OF USE
; FILE REFERENCE: 5152
; CURRENT APPLICATION NUMBER: US/10/788,792
; CURRENT FILING DATE: 2004-02-27
; PRIOR APPLICATION NUMBER: US 60/450,655
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; PRIOR FILING DATE: 2003-02-28
; NUMBER OF SEQ ID NOS: 254
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 155
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-788-792-155

Query Match 100.0%; Score 53; DB 4; Length 297;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LLIDDKGTIKL 11
|||
Db 134 LLIDDKGTIKL 144

RESULT 10

US-10-733-878-419
; Sequence 419, Application US/10733878
; Publication No. US2004022408A1
; GENERAL INFORMATION:
; APPLICANT: Jean-Philippe Girard
; APPLICANT: Francois Analric
; APPLICANT: Myriam Rousigne
; APPLICANT: Thomas Clouaire
; TITLE OF INVENTION: THAP PROTEINS AS NUCLEAR RECEPTORS FOR
; TITLE OF INVENTION: CHEMOKINES AND ROLES IN TRANSCRIPTIONAL REGULATION, CELL
; TITLE OF INVENTION: PROLIFERATION AND CELL DIFFERENTIATION
; FILE REFERENCE: BIOBANK.012A
; CURRENT APPLICATION NUMBER: US/10/733,878
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 60/432699
; PRIOR FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: 60/485027
; PRIOR FILING DATE: 2003-07-03
; NUMBER OF SEQ ID NOS: 535
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 419
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-733-878-419

Query Match 100.0%; Score 53; DB 5; Length 297;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LLIDDKGTIKL 11
|||
Db 134 LLIDDKGTIKL 144

RESULT 11

US-10-723-860-2448
; Sequence 2448, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Gineburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2448
; LENGTH: 297

; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-723-860-2448

Query Match 100.0%; Score 53; DB 5; Length 297;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LLIDDKGTIKL 11
|||
Db 134 LLIDDKGTIKL 144

RESULT 12

US-10-751-736-67
; Sequence 67, Application US/10751736
; Publication No. US20040265230A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Martinez, Robert
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
; FILE REFERENCE: AM100927 (031896-002000)
; CURRENT APPLICATION NUMBER: US/10/751,736
; CURRENT FILING DATE: 2003-01-06
; PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
; PRIOR FILING DATE: 2003-01-06
; NUMBER OF SEQ ID NOS: 54873
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 67
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-751-736-67

Query Match 100.0%; Score 53; DB 5; Length 297;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LLIDDKGTIKL 11
|||
Db 134 LLIDDKGTIKL 144

RESULT 13

US-10-732-923-1435
; Sequence 1435, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 1435
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Bos taurus
US-10-732-923-1435

Query Match 100.0%; Score 53; DB 5; Length 297;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LLIDDKGTIKL 11
|||
Db 134 LLIDDKGTIKL 144

RESULT 14
US-10-756-149-5363
; Sequence 5363, Application US/10756149
; Publication No. US20050181375A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AND
; TITLE OF INVENTION: METHODS OF SCREENING FOR MODULATORS OF METASTATIC CANCER
; FILE REFERENCE: file
; CURRENT APPLICATION NUMBER: US/10/756,149
; CURRENT FILING DATE: 2004-01-12
; NUMBER OF SEQ ID NOS: 5818
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5363
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-756-149-5363

Query Match 100.0%; Score 53; DB 5; Length 297;
Best Local Similarity 100.0%; Pred. No. 0.12; Mismatches 0; Indels 0; Gaps 0;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
|||
Db 134 LLIDDKGTIKL 144

RESULT 15
US-10-732-923-1427
; Sequence 1427, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 1427
; LENGTH: 303
; TYPE: PRT
; ORGANISM: Gallus gallus
US-10-732-923-1427

Query Match 90.6%; Score 48; DB 5; Length 303;
Best Local Similarity 90.9%; Pred. No. 1.1; Mismatches 1; Indels 0; Gaps 0;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
|||
Db 134 LLIDDKGVIKL 144

Search completed: February 7, 2006, 13:47:32
Job time : 79.3234 secs

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OM protein - protein search, using sw model

Run on: February 7, 2006, 13:36:27 ; Search time 5.26596 Seconds
(without alignments)
24.478 Million cell updates/sec

Title: US-10-006-177A-9
Perfect score: 53
Sequence: 1 LLIDDKGTIKL 11

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Gapop 10.0 , Gapext 0.5

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Minimum DB seq length: 0

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Post-processing: Minimum Match 0%
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6: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	53	100.0	297	6	US-10-770-726-48
2	53	100.0	297	7	US-11-109-156-11
3	38	71.7	201	6	US-10-878-556A-3
4	37	69.8	256	6	US-10-877-346-74
5	37	69.8	277	7	US-11-151-601-4
6	37	69.8	278	6	US-10-053-877-149
7	37	69.8	278	7	US-11-103-065-4
8	37	69.8	278	7	US-11-151-601-10
9	37	69.8	288	6	US-10-467-657-1682
10	37	69.8	520	7	US-11-024-959-272
11	37	69.8	1006	6	US-10-467-657-8400
12	36	67.9	346	7	US-11-000-365-52
13	36	67.9	346	7	US-11-032-794-52
14	36	67.9	381	7	US-11-132-142-9
15	36	67.9	401	7	US-11-000-365-50
16	36	67.9	401	7	US-11-032-794-50
17	36	67.9	1311	6	US-10-509-422-5
18	35	66.0	346	6	US-10-770-726-55
19	35	66.0	509	7	US-11-024-959-393
20	35	66.0	555	7	US-11-024-959-270
21	34	64.2	740	6	US-10-878-556A-129
22	33	62.3	240	6	US-10-786-065-6
23	33	62.3	245	6	US-10-786-065-7
24	33	62.3	330	6	US-10-786-065-8
25	33	62.3	330	6	US-10-786-065-9

ALIGNMENTS

RESULT 1

US-10-770-726-48
; Sequence 48, Application US/10770726
; Publication No. US20050266409A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING, PREVENTING, AND TREATING
; TITLE OF INVENTION: CANCERS
; FILE REFERENCE: AM101079 (031896-010000)
; CURRENT APPLICATION NUMBER: US/10770.726
; CURRENT FILING DATE: 2004-02-04
; NUMBER OF SEQ ID NOS: 48640
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 48
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-770-726-48

Query Match 100.0%; Score 53; DB 6; Length 297;
Best Local Similarity 100.0%; Pred. No. 0.0055;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11

Db 134 LLIDDKGTIKL 144

RESULT 2

US-11-109-156-11
; Sequence 11, Application US/11109156
; Publication No. US20050250144A1
; GENERAL INFORMATION:
; APPLICANT: Toshio Ota
; APPLICANT: Takao Isogai
; APPLICANT: Tetsuo Nishikawa
; APPLICANT: Koji Hayashi
; APPLICANT: Kaoru Otsuka
; APPLICANT: Jun-ichi Yamamoto
; APPLICANT: Shizuko Ishii
; APPLICANT: Tomoyasu Sugiyama
; APPLICANT: Ai Wakamatsu
; APPLICANT: Keiichi Nagai
; APPLICANT: Tetsuji Otsuki
; APPLICANT: Shin-ichi Funahashi
; APPLICANT: Chiaki Senoo

```
; APPLICANT: Jun-Ichi Nezu
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN KINASE/PROTEIN
; FILE REFERENCE: 06501-099002
; CURRENT APPLICATION NUMBER: US/11/109,156
; PRIOR FILING DATE: 2005-04-19
; PRIOR APPLICATION NUMBER: US/10/060,065
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP00/05061
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: US 60/159,590
; PRIOR FILING DATE: 1999-10-18
; PRIOR APPLICATION NUMBER: US 60/183,322
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: JP 11-248036
; PRIOR FILING DATE: 1999-07-29
; PRIOR APPLICATION NUMBER: JP 2000-118776
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: JP 2000-183767
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: JP 2000-241899
; PRIOR FILING DATE: 2000-06-09
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-109-156-11
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Query Match 100.0%; Score 53; DB 7; Length 297;
Best Local Similarity 100.0%; Pred. No. 0.0055;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 LLIDDKGTIKL 11
    |||||
Db 134 LLIDDKGTIKL 144
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RESULT 3
US-10-878-556A-3
; Sequence 3, Application US/10878556A
; Publication No. US20050266399A1
; GENERAL INFORMATION:
; APPLICANT: Hoffmann La-Roche Inc.
; TITLE OF INVENTION: HCV regulated protein expression
; FILE REFERENCE: 21762
; CURRENT APPLICATION NUMBER: US/10/878,556A
; CURRENT FILING DATE: 2004-06-28
; NUMBER OF SEQ ID NOS: 199
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 201
; TYPE: PRT
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: humangp/chr17-q8tcd5
; DATABASE ENTRY DATE: 2003-04-22
US-10-878-556A-3
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Query Match 71.7%; Score 38; DB 6; Length 201;
Best Local Similarity 70.0%; Pred. No. 2.5;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
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QY 1 LLIDDKGTIK 10
    |||||
Db 141 LLIDDKDTVR 150
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RESULT 4
US-10-877-346-74
; Sequence 74, Application US/10877346
; Publication No. US20060014153A1
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; GENERAL INFORMATION:
; APPLICANT: Gerlach, Valerie L.
; APPLICANT: MacDougall, John R.
; APPLICANT: Smithson, Glennnda
; APPLICANT: Millet, Isabelle
; APPLICANT: Stone, David
; APPLICANT: Gunther, Erik
; APPLICANT: Ellerman, Karen
; APPLICANT: Grosse, William M.
; APPLICANT: Alsobrook II, John P.
; APPLICANT: Lepley, Denise M.
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Leach, Martin D.
; APPLICANT: Shinkets, Richard A.
; TITLE OF INVENTION: Novel Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-124
; CURRENT APPLICATION NUMBER: US/10/877,346
; CURRENT FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US/09/964,956
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/235,631
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/235,633
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/235,808
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/236,064
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/236,065
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/236,066
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/236,135
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: 60/237,434
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/238,321
; PRIOR FILING DATE: 2000-10-05
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 127
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 74
; LENGTH: 256
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Protein kinase
; OTHER INFORMATION: domain Consensus Sequence
US-10-877-346-74
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Query Match 69.8%; Score 37; DB 6; Length 256;
Best Local Similarity 45.5%; Pred. No. 5.1;
Matches 5; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
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QY 1 LLIDDKGTIKL 11
    :|:|:|:|
Db 129 ILLENGTVKI 139
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RESULT 5
US-11-151-601-4
; Sequence 4, Application US/11151601
; Publication No. US20060003413A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Olandt, Peter J.
; APPLICANT: Kapeller-Libermann, Rosana
; APPLICANT: Curtis, Rory A. J.
; APPLICANT: Williamson, Mark
```

APPLICANT: Weich, Nadine
TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASE, PHOSPHATASE,
AND PROTEASE FAMILY MEMBERS AND USES THEREOF
FILE REFERENCE: MP100-0541RCP10KNDVIM
CURRENT APPLICATION NUMBER: US/11/151,601
CURRENT FILING DATE: 2005-06-13
PRIOR APPLICATION NUMBER: US 10/170,789
PRIOR FILING DATE: 2002-06-13
PRIOR APPLICATION NUMBER: US 09/797,039
PRIOR FILING DATE: 2001-02-28
PRIOR APPLICATION NUMBER: PCT/US01/06525
PRIOR FILING DATE: 2001-02-28
PRIOR APPLICATION NUMBER: US 60/186,061
PRIOR FILING DATE: 2000-02-29
PRIOR APPLICATION NUMBER: US 09/882,166
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: PCT/US01/19269
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: US 60/212,078
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: US 09/934,406
PRIOR FILING DATE: 2001-08-21
PRIOR APPLICATION NUMBER: PCT/US01/26052
PRIOR FILING DATE: 2001-08-21
PRIOR APPLICATION NUMBER: US 60/226,740
PRIOR FILING DATE: 2000-08-21
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 45
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 4
LENGTH: 277
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: consensus sequence
US-11-151-601-4

Query Match 69.8%; Score 37; DB 7; Length 277;
Best Local Similarity 45.5%; Pred. No. 5.5;
Matches 5; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
:|:|:|:|:
Db 121 ILIDENGTVKI 131

RESULT 6
US-10-055-877-149
Sequence 149, Application US/10055877
Publication No. US20050288241A1
GENERAL INFORMATION:
APPLICANT: DeCristofaro, Marc
APPLICANT: Padigaru, Muralidhara
APPLICANT: Miller, Charles
APPLICANT: Tchernev, Velizar
APPLICANT: Zhong, Mei
APPLICANT: Anderson, David
APPLICANT: Ballinger, Robert
APPLICANT: Gerlach, Valerie
APPLICANT: Spytek, Kimberly
APPLICANT: Ratelli, Luca
APPLICANT: Kekuda, Ramesh
APPLICANT: Guo, Xiaojia
APPLICANT: Zerhusen, Bryan
APPLICANT: Andrew, David
APPLICANT: Mezes, Peter
APPLICANT: Patturajan, Meera
APPLICANT: Burgess, Catherine
APPLICANT: Eisen, Andrew
APPLICANT: Wolenc, Adam
APPLICANT: Baumgartner, Jason
APPLICANT: Shimkets, Richard
APPLICANT: Gusev, Vladimir

APPLICANT: Vernet, Corine
APPLICANT: Taupier Jr., Raymond
APPLICANT: Pena, Carol
APPLICANT: Shenov, Sureah
APPLICANT: Li, Li
APPLICANT: Casman, Stacie
APPLICANT: Boldog, Ference
TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
FILE REFERENCE: 21402-251
CURRENT APPLICATION NUMBER: US/10/055,877
CURRENT FILING DATE: 2002-01-22
PRIOR APPLICATION NUMBER: 60/262,892
PRIOR FILING DATE: 2001-01-19
PRIOR APPLICATION NUMBER: 60/263,598
PRIOR FILING DATE: 2001-01-23
PRIOR APPLICATION NUMBER: 60/263,799
PRIOR FILING DATE: 2001-01-24
PRIOR APPLICATION NUMBER: 60/264,117
PRIOR FILING DATE: 2001-01-25
PRIOR APPLICATION NUMBER: 60/264,139
PRIOR FILING DATE: 2001-01-25
PRIOR APPLICATION NUMBER: 60/264,478
PRIOR FILING DATE: 2001-01-26
PRIOR APPLICATION NUMBER: 60/263,351
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: 60/272,870
PRIOR FILING DATE: 2001-03-02
PRIOR APPLICATION NUMBER: 60/275,990
PRIOR FILING DATE: 2001-03-14
PRIOR APPLICATION NUMBER: 60/275,927
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 512
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 149
LENGTH: 278
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: PKINASE domain
OTHER INFORMATION: consensus sequence
US-10-055-877-149

Query Match 69.8%; Score 37; DB 6; Length 278;
Best Local Similarity 45.5%; Pred. No. 5.6;
Matches 5; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
:|:|:|:|:
Db 122 ILIDENGTVKI 132

RESULT 7
US-11-103-065-4
Sequence 4, Application US/11103065
Publication No. US20050282189A1
GENERAL INFORMATION:
APPLICANT: Meyers, Rachel E., Lora, Jose M.
TITLE OF INVENTION: 2150, Human Protein Kinase Family
TITLE OF INVENTION: Member and Uses Therefor
FILE REFERENCE: MPI2001-137P1RNM
CURRENT APPLICATION NUMBER: US/11/103,065
CURRENT FILING DATE: 2005-04-11
PRIOR APPLICATION NUMBER: US/10/184,563
PRIOR FILING DATE: 2002-06-27
PRIOR APPLICATION NUMBER: 60/301,702
PRIOR FILING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 7
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 4
LENGTH: 278
TYPE: PRT
ORGANISM: Artificial Sequence

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; FEATURE:
; OTHER INFORMATION: Consensus
US-11-103-065-4

Query Match      69.8%; Score 37; DB 7; Length 278;
Best Local Similarity 45.5%; Pred. No. 5.6;
Matches 5; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
Db 122 ILIDENGTVKI 132

RESULT 8
US-11-151-601-10
; Sequence 10, Application US/11151601
; Publication No. US2006003413A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Olandt, Peter J.
; APPLICANT: Kapeller-Libermann, Rosana
; APPLICANT: Curtis, Rory A. J.
; APPLICANT: Williamson, Mark
; APPLICANT: Weich, Nadine
; TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASE, PHOSPHATASE,
; FILE REFERENCE: MP100-054P1RCP10MNDIVM
; CURRENT APPLICATION NUMBER: US/11/151,601
; CURRENT FILING DATE: 2005-06-13
; PRIOR APPLICATION NUMBER: US 10/170,789
; PRIOR FILING DATE: 2002-06-13
; PRIOR APPLICATION NUMBER: US 09/797,039
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: PCT/US01/06525
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 60/186,061
; PRIOR FILING DATE: 2000-02-29
; PRIOR APPLICATION NUMBER: US 09/882,166
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: PCT/US01/19269
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: US 60/212,078
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 09/934,406
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: PCT/US01/26052
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 60/226,740
; PRIOR FILING DATE: 2000-08-21
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 278
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: consensus sequence
US-11-151-601-10

Query Match      69.8%; Score 37; DB 7; Length 278;
Best Local Similarity 45.5%; Pred. No. 5.6;
Matches 5; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
Db 122 ILIDENGTVKI 132

RESULT 9
US-10-467-657-1682
; Sequence 1682, Application US/10467657
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; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 1682
; LENGTH: 288
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-1682

Query Match      69.8%; Score 37; DB 6; Length 288;
Best Local Similarity 75.0%; Pred. No. 5.8;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 4 DDKGTVKV 11
Db 68 DDKGTVKV 75

RESULT 10
US-11-024-959-272
; Sequence 272, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 044463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 272
; LENGTH: 520
; TYPE: PRT
; ORGANISM: Eucalyptus sp.
US-11-024-959-272

Query Match      69.8%; Score 37; DB 7; Length 520;
Best Local Similarity 63.6%; Pred. No. 11;
Matches 7; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
Db 169 LLIDNEGTVKL 179

RESULT 11
US-10-467-657-8400
; Sequence 8400, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
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RESULT 13
US-11-032-794-52
; Sequence 52, Application US/11032794
; Publication NO. US20050265970A1
; GENERAL INFORMATION:

RESULT 15
US-11-000-365-50

Wed Feb 8 14:48:34 2006

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; Sequence 50, Application US/11000365
; Publication No. US20050267022A1
; GENERAL INFORMATION:
; APPLICANT: FRANZOSO, GUIDO
; APPLICANT: PAPA, SALVATORE
; APPLICANT: BUBICI, CONCETTA
; APPLICANT: DESMAELE, ENRICO
; APPLICANT: ZAZZERONI, FRANCESCA
; TITLE OF INVENTION: IDENTIFICATION OF NOVEL FACTORS THAT BLOCK PROGRAMMED
; FILE OF INVENTION: CELL DEATH OR APOPTOSIS BY TARGETING JNK
; FILE REFERENCE: 21459-97705
; CURRENT APPLICATION NUMBER: US/11/000,365
; CURRENT FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 60/526,231
; PRIOR FILING DATE: 2003-12-02
; PRIOR APPLICATION NUMBER: 10/626,905
; PRIOR FILING DATE: 2003-07-25
; PRIOR APPLICATION NUMBER: 10/263,330
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/328,811
; PRIOR FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/326,492
; PRIOR FILING DATE: 2001-10-02
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 50
; LENGTH: 401
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-000-365-50

Query Match      67.9%; Score 36; DB 7; Length 401;
Best Local Similarity 54.5%; Pred. No. 13;
Matches 6; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

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Db      249 ILDERGQIKL 259
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GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: February 7, 2006, 12:46:07 ; Search time 311.16 Seconds
(without alignments)
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Title: US-10-006-177A-9
Perfect score: 53
Sequence: 1 LLIDDKGTIKL 11

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 7861189 seqs, 1381955077 residues
Total number of hits satisfying chosen parameters: 7861189

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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50: /cgn2_6/ptodata/1/paa/US606_COMB.pep.*
51: /cgn2_6/ptodata/1/paa/US606_COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	53	100.0	11	30	US-10-006-177-9	Sequence 9, Appli
2	53	100.0	47	45	US-60-170-374-3190	Sequence 3190, Ap
3	53	100.0	72	45	US-60-177-646-2232	Sequence 2232, Ap
4	53	100.0	72	45	US-60-178-305-915	Sequence 915, App
5	53	100.0	77	45	US-60-178-305-916	Sequence 916, App
6	53	100.0	78	45	US-60-178-305-917	Sequence 917, App
7	53	100.0	195	31	US-10-170-2058-37041	Sequence 37041, A
8	53	100.0	195	39	US-10-332-349-2896	Sequence 2896, Ap
9	53	100.0	195	48	US-60-452-680-23949	Sequence 23949, A
10	53	100.0	195	49	US-60-500-337-2896	Sequence 2896, Ap
11	53	100.0	195	49	US-60-505-218-507	Sequence 507, App
12	53	100.0	265	27	US-09-760-443-1189	Sequence 1189, App
13	53	100.0	265	27	US-09-760-446A-2179	Sequence 2179, Ap
14	53	100.0	265	32	US-10-206-664-2179	Sequence 2179, Ap
15	53	100.0	265	32	US-10-212-054-1189	Sequence 1189, Ap
16	53	100.0	270	8	US-07-857-224A-31	Sequence 31, Appl
17	53	100.0	290	46	US-60-206-600-93	Sequence 93, Appl
18	53	100.0	290	46	US-60-208-965-133	Sequence 133, App
19	53	100.0	295	36	US-10-679-063-8681	Sequence 8681, Ap
20	53	100.0	295	46	US-60-213-178-608	Sequence 608, App
21	53	100.0	297	1	PCT-US02-19669A-41	Sequence 41, Appl
22	53	100.0	297	1	PCT-US03-38193-2448	Sequence 2448, Ap
23	53	100.0	297	1	PCT-US04-00035-67	Sequence 67, Appl
24	53	100.0	297	1	PCT-US04-02188-123	Sequence 123, App
25	53	100.0	297	1	PCT-US04-07268-155	Sequence 155, App
26	53	100.0	297	1	PCT-US04-24424-154	Sequence 154, App
27	53	100.0	297	27	US-09-791-537-7643	Sequence 7643, Ap
28	53	100.0	297	27	US-09-791-537-8892	Sequence 8892, Ap
29	53	100.0	297	27	US-09-791-537-8892	Sequence 8892, Ap
30	53	100.0	297	27	US-09-791-537-13366	Sequence 13366, A
31	53	100.0	297	27	US-09-791-537-18173	Sequence 18173, A
32	53	100.0	297	27	US-09-791-537-31329	Sequence 31329, A
33	53	100.0	297	27	US-09-791-537-36406	Sequence 36406, A
34	53	100.0	297	27	US-09-791-537-82564	Sequence 82564, A
35	53	100.0	297	29	US-09-953-102A-19	Sequence 19, Appl
36	53	100.0	297	30	US-10-059-585-32	Sequence 32, Appl
37	53	100.0	297	30	US-10-060-065-11	Sequence 11, Appl
38	53	100.0	297	31	US-10-126-052A-240	Sequence 240, App
39	53	100.0	297	31	US-10-170-2058-36723	Sequence 36723, A
40	53	100.0	297	31	US-10-177-293-41	Sequence 41, Appl
41	53	100.0	297	32	US-10-204-041-8	Sequence 8, Appli
42	53	100.0	297	32	US-10-219-051B-9769	Sequence 9769, Ap
43	53	100.0	297	32	US-10-219-051B-9771	Sequence 9771, Ap
44	53	100.0	297	33	US-10-385-422-39	Sequence 39, Appl
45	53	100.0	297	33	US-10-394-322A-6	Sequence 6, Appli

ALIGNMENTS

RESULT 1
US-10-006-177-9
; Sequence 9, Application US/10006177
; GENERAL INFORMATION:
; APPLICANT: Ramakrishna, Venky

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; APPLICANT: Ross, Mark
; APPLICANT: Philip, Ramila
; TITLE OF INVENTION: Cytotoxic T-Lymphocyte-Inducing Immunogens for Prevention, Treatment
; FILE OF INVENTION: Diagnosis of Cancer
; FILE REFERENCE: 26747-35
; CURRENT APPLICATION NUMBER: US/10/006,177
; CURRENT FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: US/60/251,022
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: US/60/256,824
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 9
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Epitopic Peptide
US-10-006-177-9
Query Match 100.0%; Score 53; DB 30; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.0013;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
Db 1 LLIDDKGTIKL 11

RESULT 2
US-60-170-374-3190
; Sequence 3190, Application US/60170374
; GENERAL INFORMATION:
; APPLICANT: Bonazzi, Vivien
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; FILE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000146
; CURRENT APPLICATION NUMBER: US/60/170,374
; CURRENT FILING DATE: 1999-12-13
; NUMBER OF SEQ ID NOS: 3666
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3190
; LENGTH: 47
; TYPE: PRT
; ORGANISM: Human
US-60-170-374-3190
Query Match 100.0%; Score 53; DB 45; Length 47;
Best Local Similarity 100.0%; Pred. No. 0.0094;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
Db 18 LLIDDKGTIKL 28

RESULT 3
US-60-177-646-2232
; Sequence 2232, Application US/60177646
; GENERAL INFORMATION:
; APPLICANT: Bonazzi, Vivien
; TITLE OF INVENTION: ISOLATED HUMAN DRUG TARGET PROTEINS,
; FILE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN DRUG TARGET PROTEINS,
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL000210
; CURRENT APPLICATION NUMBER: US/60/177,646
; CURRENT FILING DATE: 2000-01-27
; NUMBER OF SEQ ID NOS: 4226
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2232
; LENGTH: 72
; TYPE: PRT
; ORGANISM: HUMAN
US-60-177-646-2232
Query Match 100.0%; Score 53; DB 45; Length 72;
Best Local Similarity 100.0%; Pred. No. 0.017;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
Db 39 LLIDDKGTIKL 49

RESULT 4
US-60-178-305-915
; Sequence 915, Application US/60178305
; GENERAL INFORMATION:
; APPLICANT: BONAZZI, VIVIEN
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS OF THE
; FILE OF INVENTION: SER/THR AND TYR FAMILY OF KINASES, NUCLEIC ACID MOLECULES
; TITLE OF INVENTION: ENCODING THESE HUMAN KINASE PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000207
; CURRENT APPLICATION NUMBER: US/60/178,305
; CURRENT FILING DATE: 2000-01-27
; NUMBER OF SEQ ID NOS: 1740
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 915
; LENGTH: 72
; TYPE: PRT
; ORGANISM: HUMAN
US-60-178-305-915
Query Match 100.0%; Score 53; DB 45; Length 72;
Best Local Similarity 100.0%; Pred. No. 0.017;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
Db 39 LLIDDKGTIKL 49

RESULT 5
US-60-178-305-916
; Sequence 916, Application US/60178305
; GENERAL INFORMATION:
; APPLICANT: BONAZZI, VIVIEN
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS OF THE
; FILE OF INVENTION: SER/THR AND TYR FAMILY OF KINASES, NUCLEIC ACID MOLECULES
; TITLE OF INVENTION: ENCODING THESE HUMAN KINASE PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000207
; CURRENT APPLICATION NUMBER: US/60/178,305
; CURRENT FILING DATE: 2000-01-27
; NUMBER OF SEQ ID NOS: 1740
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 916
; LENGTH: 77
; TYPE: PRT
; ORGANISM: HUMAN
US-60-178-305-916
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Best Local Similarity 100.0%; Pred. No. 0.018;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
Db 48 LLIDDKGTIKL 58

RESULT 6
US-60-178-305-917
; Sequence 917, Application US/60178305
; GENERAL INFORMATION:
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; TYPE: PRT
; ORGANISM: HUMAN
US-60-177-646-2232
Query Match 100.0%; Score 53; DB 45; Length 72;
Best Local Similarity 100.0%; Pred. No. 0.017;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
Db 39 LLIDDKGTIKL 49

RESULT 4
US-60-178-305-915
; Sequence 915, Application US/60178305
; GENERAL INFORMATION:
; APPLICANT: BONAZZI, VIVIEN
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS OF THE
; FILE OF INVENTION: SER/THR AND TYR FAMILY OF KINASES, NUCLEIC ACID MOLECULES
; TITLE OF INVENTION: ENCODING THESE HUMAN KINASE PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000207
; CURRENT APPLICATION NUMBER: US/60/178,305
; CURRENT FILING DATE: 2000-01-27
; NUMBER OF SEQ ID NOS: 1740
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 915
; LENGTH: 72
; TYPE: PRT
; ORGANISM: HUMAN
US-60-178-305-915
Query Match 100.0%; Score 53; DB 45; Length 72;
Best Local Similarity 100.0%; Pred. No. 0.017;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
Db 39 LLIDDKGTIKL 49

RESULT 5
US-60-178-305-916
; Sequence 916, Application US/60178305
; GENERAL INFORMATION:
; APPLICANT: BONAZZI, VIVIEN
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS OF THE
; FILE OF INVENTION: SER/THR AND TYR FAMILY OF KINASES, NUCLEIC ACID MOLECULES
; TITLE OF INVENTION: ENCODING THESE HUMAN KINASE PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000207
; CURRENT APPLICATION NUMBER: US/60/178,305
; CURRENT FILING DATE: 2000-01-27
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; ORGANISM: HUMAN
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Query Match 100.0%; Score 53; DB 45; Length 77;
Best Local Similarity 100.0%; Pred. No. 0.018;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
Db 48 LLIDDKGTIKL 58

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; Sequence 917, Application US/60178305
; GENERAL INFORMATION:
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; APPLICANT: BONAZZI, VIVIEN
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS OF THE
; TITLE OF INVENTION: SER/THR AND TYR FAMILY OF KINASES, NUCLEIC ACID MOLECULES
; TITLE OF INVENTION: ENCODING THESE HUMAN KINASE PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000207
; CURRENT APPLICATION NUMBER: US/60/178,305
; CURRENT FILING DATE: 2000-01-27
; NUMBER OF SEQ ID NOS: 1740
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 917
; LENGTH: 78
; TYPE: PRT
; ORGANISM: HUMAN
US-60-178-305-917

Query Match 100.0%; Score 53; DB 45; Length 78;
Best Local Similarity 100.0%; Pred. No. 0.019; Mismatches 0; Indels 0; Gaps 0;
Matches 11; Conservative 0;

Qy 1 LLIDDKGTIKL 11
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Db 59 LLIDDKGTIKL 69

RESULT 7
US-10-170-205E-37041
; Sequence 37041, Application US/10170205E
; GENERAL INFORMATION:
; APPLICANT: ADAMS, Mark
; TITLE OF INVENTION: DEVICES, SUCH AS ARRAYS, COMPRISED OF HUMAN PROTEINS OR PROTEIN
; TITLE OF INVENTION: CAPTURE AGENTS, AND USES THEREOF
; FILE REFERENCE: CL001381
; CURRENT APPLICATION NUMBER: US/10/170,205E
; CURRENT FILING DATE: 2002-06-13
; NUMBER OF SEQ ID NOS: 40312
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 37041
; LENGTH: 195
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-170-205E-37041

Query Match 100.0%; Score 53; DB 31; Length 195;
Best Local Similarity 100.0%; Pred. No. 0.065;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
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Db 134 LLIDDKGTIKL 144

RESULT 8
US-10-932-349-2896
; Sequence 2896, Application US/10932349
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; TITLE OF INVENTION: POLYMORPHISMS IN NUCLEIC ACID MOLECULES
; TITLE OF INVENTION: ENCODING HUMAN KINASE PROTEINS, METHODS OF DETECTION AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CL001483
; CURRENT APPLICATION NUMBER: US/10/932,349
; CURRENT FILING DATE: 2004-09-02
; NUMBER OF SEQ ID NOS: 123188
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2896
; LENGTH: 195
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-932-349-2896

Query Match 100.0%; Score 53; DB 39; Length 195;
Best Local Similarity 100.0%; Pred. No. 0.065;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
| | | | | | | | | |
Db 134 LLIDDKGTIKL 144

RESULT 9
US-60-452-680-23949
; Sequence 23949, Application US/60452680
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: GROPE, Andrew
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: ALZHEIMER'S DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001450
; CURRENT APPLICATION NUMBER: US/60/452,680
; CURRENT FILING DATE: 2003-03-07
; NUMBER OF SEQ ID NOS: 116213
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23949
; LENGTH: 195
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-452-680-23949

Query Match 100.0%; Score 53; DB 48; Length 195;
Best Local Similarity 100.0%; Pred. No. 0.065;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
| | | | | | | | | |
Db 134 LLIDDKGTIKL 144

RESULT 10
US-60-500-337-2896
; Sequence 2896, Application US/60500337
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; TITLE OF INVENTION: POLYMORPHISMS IN NUCLEIC ACID MOLECULES
; TITLE OF INVENTION: ENCODING HUMAN KINASE PROTEINS, METHODS OF DETECTION AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CL001483
; CURRENT APPLICATION NUMBER: US/60/500,337
; CURRENT FILING DATE: 2003-09-05
; NUMBER OF SEQ ID NOS: 123188
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2896
; LENGTH: 195
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-500-337-2896

Query Match 100.0%; Score 53; DB 49; Length 195;
Best Local Similarity 100.0%; Pred. No. 0.065;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
| | | | | | | | | |
Db 134 LLIDDKGTIKL 144

RESULT 11
US-60-505-218-507
; Sequence 507, Application US/60505218
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CANCER, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001482
; CURRENT APPLICATION NUMBER: US/60/505,218
; CURRENT FILING DATE: 2003-09-24
; NUMBER OF SEQ ID NOS: 22507

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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 507
; LENGTH: 195
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-505-218-507

Query Match      100.0%; Score 53; DB 49; Length 195;
Best Local Similarity 100.0%; Pred. No. 0.065;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LLIDDKGTIKL 11
Db      134 LLIDDKGTIKL 144

RESULT 12
US-09-760-443-1189
; Sequence 1189, Application US/09760443
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PJ212
; CURRENT APPLICATION NUMBER: US/09/760,443
; CURRENT FILING DATE: 2001-01-16
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2164
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1189
; LENGTH: 265
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (27)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-760-443-1189

Query Match      100.0%; Score 53; DB 27; Length 265;
Best Local Similarity 100.0%; Pred. No. 0.099;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LLIDDKGTIKL 11
Db      102 LLIDDKGTIKL 112

RESULT 13
US-09-760-446A-2179
; Sequence 2179, Application US/09760446A
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT268
; CURRENT APPLICATION NUMBER: US/09/760,446A
; CURRENT FILING DATE: 2000-01-16
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/214,886
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: 60/217,487
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,758
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,963
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/217,496
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,447
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/218,290
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/225,757
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/226,868
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/216,647
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,267
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/216,880
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,270
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/251,869
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/235,834
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/234,274
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/234,223
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; PRIOR APPLICATION NUMBER: 60/236,327
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/241,785
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/244,617
; PRIOR FILING DATE: 2000-11-01
; PRIOR APPLICATION NUMBER: 60/225,268
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/236,368
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/251,856
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/251,868
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/229,344
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/234,997
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: 60/229,343
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/229,345
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/229,287
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; PRIOR APPLICATION NUMBER: 60/229,513
; PRIOR FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: 60/231,413
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/229,509
; PRIOR FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: 60/236,367
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/237,039
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/237,038
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/236,370
; PRIOR FILING DATE: 2000-09-29
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;; PRIOR APPLICATION NUMBER: 60/236,802
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;; PRIOR APPLICATION NUMBER: 60/237,040
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;; PRIOR APPLICATION NUMBER: 60/239,935
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;; PRIOR APPLICATION NUMBER: 60/239,937
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;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/246,474
;; PRIOR FILING DATE: 2000-11-08
;; PRIOR APPLICATION NUMBER: 60/246,532
;; PRIOR FILING DATE: 2000-11-08
;; PRIOR APPLICATION NUMBER: 60/249,216
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,210
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/226,681
;; PRIOR FILING DATE: 2000-08-22
;; PRIOR APPLICATION NUMBER: 60/225,759
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/225,213
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;; PRIOR APPLICATION NUMBER: 60/227,182
;; PRIOR FILING DATE: 2000-08-22
;; PRIOR APPLICATION NUMBER: 60/225,214
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;; PRIOR FILING DATE: 2000-09-27
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;; PRIOR FILING DATE: 2000-09-06
;; PRIOR APPLICATION NUMBER: 60/215,135
;; PRIOR FILING DATE: 2000-06-30
;; PRIOR APPLICATION NUMBER: 60/225,266
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;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,208
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;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,212
;; PRIOR FILING DATE: 2000-11-17
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;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,217
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,211
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,215
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,264
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,214
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;; PRIOR FILING DATE: 2000-11-17
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;; PRIOR FILING DATE: 2000-09-14
;; PRIOR APPLICATION NUMBER: 60/231,242
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;; PRIOR APPLICATION NUMBER: 60/232,080

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;; PRIOR APPLICATION NUMBER: 60/231,414
;; PRIOR FILING DATE: 2000-09-08
;; PRIOR APPLICATION NUMBER: 60/231,244
;; PRIOR FILING DATE: 2000-09-08
;; PRIOR APPLICATION NUMBER: 60/233,064
;; PRIOR FILING DATE: 2000-09-14
;; PRIOR APPLICATION NUMBER: 60/233,063
;; PRIOR FILING DATE: 2000-09-14
;; PRIOR APPLICATION NUMBER: 60/232,397
;; PRIOR FILING DATE: 2000-09-14
;; PRIOR APPLICATION NUMBER: 60/232,399
;; PRIOR FILING DATE: 2000-09-14
;; PRIOR APPLICATION NUMBER: 60/232,401
;; PRIOR FILING DATE: 2000-09-14
;; PRIOR APPLICATION NUMBER: 60/241,808
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/241,826
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/241,786
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/241,221
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/246,475
;; PRIOR FILING DATE: 2000-11-08
;; PRIOR APPLICATION NUMBER: 60/231,243
;; PRIOR FILING DATE: 2000-09-08
;; PRIOR APPLICATION NUMBER: 60/233,065
;; PRIOR FILING DATE: 2000-09-14
;; PRIOR APPLICATION NUMBER: 60/232,398

Query Match 100.0%; Score 53; DB 27; Length 265;
Best Local Similarity 100.0%; Pred. No. 0.099;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
| | | | | | | | | |
Db 102 LLIDDKGTIKL 112

RESULT 14

US-10-206-664-2179
; Sequence 2179, Application US/10206664.
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PTZ68CIN
; CURRENT APPLICATION NUMBER: US/10/206,664
; PRIORITY FILING DATE: 2002-07-29
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 2628
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2179
; LENGTH: 265
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (27)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-206-664-2179

Query Match 100.0%; Score 53; DB 32; Length 265;
Best Local Similarity 100.0%; Pred. No. 0.099;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LLIDDKGTIKL 11
| | | | | | | | | |
Db 102 LLIDDKGTIKL 112

RESULT 15

US-10-212-054-1189

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; Sequence 1189, Application US/10212054
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PJ212CIN
; CURRENT APPLICATION NUMBER: US/10/212,054
; CURRENT FILING DATE: 2002-08-06
; NUMBER OF SEQ ID NOS: 2164
; Prior application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1189
; LENGTH: 265
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (27)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-212-054-1189

Query Match      100.0%; Score 53; DB 32; Length 265;
Best Local Similarity 100.0%; Pred. No. 0.099;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LLIDDKGTIKL 11
        |||||
Db      102 LLIDDKGTIKL 112

Search completed: February 7, 2006, 13:34:07
Job time : 312.16 secs
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GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: February 7, 2006, 12:45:47 ; Search time 22.766 Seconds
(without alignments)
36.315 Million cell updates/sec

Title: US-10-006-177A-10
Perfect score: 57
Sequence: 1 RLYPGWVVEV 10

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents_AA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	57	100.0	361	2	US-09-538-092-1331
2	56	98.2	369	1	US-08-951-148-8
3	56	98.2	369	1	US-09-165-234-8
4	56	98.2	369	1	US-09-165-234-8
5	56	98.2	478	1	US-08-951-148-1
6	56	98.2	478	1	US-08-951-148-7
7	56	98.2	478	1	US-09-165-234-1
8	56	98.2	478	1	US-09-165-234-7
9	56	98.2	478	2	US-09-274-570-1
10	56	98.2	478	2	US-09-274-570-7
11	56	98.2	478	2	US-09-440-936-4
12	56	98.2	478	2	US-09-538-092-830
13	56	98.2	478	2	US-10-191-810-4
14	56	98.2	605	2	US-09-440-936-2
15	51	89.5	314	2	US-09-248-796A-20460
16	48	84.2	321	2	US-08-592-126-143
17	48	84.2	321	2	US-09-168-595-143
18	48	84.2	420	2	US-08-592-126-142
19	48	84.2	420	2	US-09-168-595-142
20	48	84.2	425	1	US-08-951-148-3
21	48	84.2	425	2	US-09-165-234-3
22	48	84.2	425	2	US-09-274-570-3
23	48	84.2	539	1	US-08-978-182-3
24	48	84.2	539	1	US-09-205-681-3
25	46	80.7	127	2	US-09-270-767-41445
26	46	80.7	418	1	US-08-978-182-5
27	46	80.7	418	1	US-09-205-681-5

28	46	80.7	418	2	US-09-538-092-1350	Sequence 1350, Ap
29	44	77.2	415	2	US-09-538-092-467	Sequence 467, App
30	44	77.2	424	1	US-08-951-148-9	Sequence 9, Appli
31	44	77.2	424	1	US-09-165-234-9	Sequence 9, Appli
32	44	77.2	424	2	US-09-274-570-9	Sequence 9, Appli
33	44	77.2	424	2	US-09-538-092-1317	Sequence 1317, Ap
34	44	77.2	479	2	US-09-248-796A-20464	Sequence 20464, A
35	40	70.2	197	2	US-09-543-681A-6496	Sequence 6496, Ap
36	39	68.4	367	2	US-09-032-372-4	Sequence 4, Appli
37	39	68.4	450	2	US-09-489-039A-13998	Sequence 13998, A
38	38	66.7	14	1	US-08-443-104-2	Sequence 2, Appli
39	38	66.7	14	1	US-08-238-130-3	Sequence 3, Appli
40	38	66.7	14	1	US-08-442-859-2	Sequence 2, Appli
41	38	66.7	14	1	US-08-398-489-2	Sequence 2, Appli
42	38	66.7	14	1	US-08-894-772-3	Sequence 3, Appli
43	38	66.7	14	1	US-09-207-844-3	Sequence 3, Appli
44	38	66.7	14	4	PCT-US95-05534-2	Sequence 2, Appli
45	38	66.7	388	1	US-08-894-772-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-09-538-092-1331
; Sequence 1331, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:
; APPLICANT: Giot, Loic
; APPLICANT: Mansfield, Traci A.
; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
; FILE REFERENCE: 15966-542
; CURRENT APPLICATION NUMBER: US/09/538,092
; CURRENT FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 60/127,352
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: 60/178,965
; PRIOR FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 1387
; SOFTWARE: CuratSeqFormatter Version 0.9
; SEQ ID NO 1331
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: Polypeptide Accession Number Q15019
US-09-538-092-1331

Query Match 100.0%; Score 57; DB 2; Length 361;
Best Local Similarity 100.0%; Pred.No. 0.03; Indels 0; Gaps 0;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 RLYPGWVVEV 10
Db 256 RLYPGWVVEV 265

RESULT 2
US-08-951-148-8
; Sequence 8, Application US/08951148
; Patent No. 5871973
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: CELL DIVISION REGULATORS
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESS: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive

```
/
/ CITY: Palo Alto
/ STATE: CA
/ COUNTRY: USA
/ ZIP: 94304
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: DOS
/ SOFTWARE: FastSeq for Windows Version 2.0
/ CURRENT APPLICATION DATA:
/ FILING DATE: Herewith
/ APPLICATION NUMBER: US/08/951,148
/ CLASSIFICATION: 514
/ PRIOR APPLICATION NUMBER:
/ FILING DATE:
/ APPLICATION NUMBER:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Billings, Lucy J.
/ REGISTRATION NUMBER: 36,749
/ REFERENCE/DOCKET NUMBER: PF-0407 US
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 650-855-0555
/ TELEFAX: 650-845-4166
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 8:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 369 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ IMMEDIATE SOURCE:
/ LIBRARY: GenBank
/ CLONE: 1829317
/ US-08-951-148-8

Query Match 98.2%; Score 56; DB 1; Length 369;
Best Local Similarity 90.0%; Pred. No. 0.046;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RLYPMGVVEV 10
Db 263 RLYPMGIVEV 272

RESULT 3
US-09-165-234-8
/ Sequence 8, Application US/09165234
/ Patent No. 5928899
/ GENERAL INFORMATION:
/ APPLICANT: Hillman, Jennifer L.
/ APPLICANT: Bandman, Olga
/ APPLICANT: Lal, Preeti
/ APPLICANT: Shah, Purvi
/ TITLE OF INVENTION: CELL DIVISION REGULATORS
/ NUMBER OF SEQUENCES: 10
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Incyte Pharmaceuticals, Inc.
/ STREET: 3174 Porter Drive
/ CITY: Palo Alto
/ STATE: CA
/ COUNTRY: USA
/ ZIP: 94304
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: DOS
/ SOFTWARE: FastSeq for Windows Version 2.0
/ CURRENT APPLICATION DATA:
/ FILING DATE:
/ APPLICATION NUMBER: US/09/165,234
/ CLASSIFICATION:
/ PRIOR APPLICATION NUMBER:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Billings, Lucy J.
/ REGISTRATION NUMBER: 36,749
/ REFERENCE/DOCKET NUMBER: PF-0407 US
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 650-855-0555
/ TELEFAX: 650-845-4166
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 8:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 369 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ IMMEDIATE SOURCE:
/ LIBRARY: GenBank
/ CLONE: 1829317
/ US-08-951-148-8

Query Match 98.2%; Score 56; DB 1; Length 369;
Best Local Similarity 90.0%; Pred. No. 0.046;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RLYPMGVVEV 10
Db 263 RLYPMGIVEV 272

RESULT 4
US-09-274-570-8
/ Sequence 8, Application US/09274570
/ Patent No. 6121019
/ GENERAL INFORMATION:
/ APPLICANT: Hillman, Jennifer L.
/ APPLICANT: Bandman, Olga
/ APPLICANT: Lal, Preeti
/ APPLICANT: Shah, Purvi
/ TITLE OF INVENTION: CELL DIVISION REGULATORS
/ NUMBER OF SEQUENCES: 10
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Incyte Pharmaceuticals, Inc.
/ STREET: 3174 Porter Drive
/ CITY: Palo Alto
/ STATE: CA
/ COUNTRY: USA
/ ZIP: 94304
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: DOS
/ SOFTWARE: FastSeq for Windows Version 2.0
/ CURRENT APPLICATION DATA:
/ FILING DATE:
/ APPLICATION NUMBER: US/09/274,570
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/951,148
/ FILING DATE:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Billings, Lucy J.
/ REGISTRATION NUMBER: 36,749
/ REFERENCE/DOCKET NUMBER: PF-0407 US
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 650-855-0555
/ TELEFAX: 650-845-4166
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 8:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 369 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ IMMEDIATE SOURCE:
/ LIBRARY: GenBank
/ CLONE: 1829317
/ US-09-165-234-8

Query Match 98.2%; Score 56; DB 1; Length 369;
Best Local Similarity 90.0%; Pred. No. 0.046;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RLYPMGVVEV 10
Db 263 RLYPMGIVEV 272
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IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 1829317
US-09-274-570-8

Query Match 98.2%; Score 56; DB 2; Length 369;
Best Local Similarity 90.0%; Pred. No. 0.046;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RLYPWGVVEV 10
Db 263 RLYPWGVVEV 272

RESULT 5

US-08-951-148-1
; Sequence 1, Application US/08951148
; Patent No. 5871973
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: CELL DIVISION REGULATORS
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/951,148
FILING DATE: Herewith
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:

ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0407 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166
TELEX:

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 478 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: SPLINFZT01
CLONE: 26459
US-08-951-148-1

Query Match 98.2%; Score 56; DB 1; Length 478;
Best Local Similarity 90.0%; Pred. No. 0.06;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RLYPWGVVEV 10
Db 363 RLYPWGVVEV 372

RESULT 6

US-08-951-148-7
; Sequence 7, Application US/08951148
; Patent No. 5871973
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: CELL DIVISION REGULATORS
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/951,148
FILING DATE: Herewith
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:

ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0407 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166
TELEX:

INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 478 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 51203
US-08-951-148-7

Query Match 98.2%; Score 56; DB 1; Length 478;
Best Local Similarity 90.0%; Pred. No. 0.06;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RLYPWGVVEV 10
Db 363 RLYPWGVVEV 372

RESULT 7

US-09-165-234-1
; Sequence 1, Application US/09165234
; Patent No. 5928899
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: CELL DIVISION REGULATORS
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA


```
; CLONE: 26459
; US-09-274-570-1
Query Match          98.2%; Score 56; DB 2; Length 478;
Best Local Similarity 90.0%; Pred. No. 0.06;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RLYPMGVVEV 10
Db 363 RLYPMGIVEV 372

RESULT 10
US-09-274-570-7
; Sequence 7, Application US/09274570
; Patent No. 6121019
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: CELL DIVISION REGULATORS
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/274,570
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/951,148
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PP-0407 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 478 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 51203
; US-09-274-570-7

Query Match          98.2%; Score 56; DB 2; Length 478;
Best Local Similarity 90.0%; Pred. No. 0.06;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RLYPMGVVEV 10
Db 363 RLYPMGIVEV 372

RESULT 11
US-09-440-936-4
; Sequence 4, Application US/09440936
; Patent No. 6423504
; GENERAL INFORMATION:
; APPLICANT: TANAKA, Manami
; APPLICANT: TANAKA, Tomoo
; TITLE OF INVENTION: HUMAN-DERIVED BRADEN PROTEINS, DNA CODING FOR THE
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: 081356/0138
; CURRENT APPLICATION NUMBER: US/09/440,936
; CURRENT FILING DATE: 1999-11-16
; EARLIER APPLICATION NUMBER: JP 325380/1998
; EARLIER FILING DATE: 1998-11-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 4
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-440-936-4

Query Match          98.2%; Score 56; DB 2; Length 478;
Best Local Similarity 90.0%; Pred. No. 0.06;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RLYPMGVVEV 10
Db 363 RLYPMGIVEV 372

RESULT 12
US-09-538-092-830
; Sequence 830, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:
; APPLICANT: Giot, Loic
; APPLICANT: Mansfield, Traci A.
; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
; FILE REFERENCE: 15966-542
; CURRENT APPLICATION NUMBER: US/09/538,092
; CURRENT FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 60/127,352
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: 60/178,965
; PRIOR FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 1387
; SOFTWARE: CuratSeqFormatter Version 0.9
; SEQ ID NO 830
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: Polypeptide Accession Number O43236
; US-09-538-092-830

Query Match          98.2%; Score 56; DB 2; Length 478;
Best Local Similarity 90.0%; Pred. No. 0.06;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RLYPMGVVEV 10
Db 363 RLYPMGIVEV 372

RESULT 13
US-10-191-810-4
; Sequence 4, Application US/10191810
; Patent No. 6902898
; GENERAL INFORMATION:
; APPLICANT: Manami TANAKA and Tomoo TANAKA
; TITLE OF INVENTION: Human bradeion proteins, DNA encoding them, and use
; TITLE OF INVENTION: thereof
; FILE REFERENCE:
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; CURRENT APPLICATION NUMBER: US/10/191,810
; CURRENT FILING DATE: 2002-07-10
; PRIOR APPLICATION NUMBER: JP 10-325380
; PRIOR FILING DATE: 1998/11/16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO 4
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-191-810-4

Query Match 98.2%; Score 56; DB 2; Length 478;
Best Local Similarity 90.0%; Pred. No. 0.06;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RLYPWGVVEV 10
|||:||||
Db 363 RLYPWGIVEV 372

RESULT 14
US-09-440-936-2
; Sequence 2, Application US/09440936
; Patent No. 6423504
; GENERAL INFORMATION:
; APPLICANT: TANAKA, Manami
; APPLICANT: TANAKA, Tomoo
; TITLE OF INVENTION: HUMAN-DERIVED BRADEION PROTEINS, DNA CODING FOR THE
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: 081356/0138
; CURRENT APPLICATION NUMBER: US/09/440,936
; CURRENT FILING DATE: 1999-11-16
; EARLIER APPLICATION NUMBER: JP 325380/1998
; EARLIER FILING DATE: 1998-11-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 605
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-440-936-2

Query Match 98.2%; Score 56; DB 2; Length 605;
Best Local Similarity 90.0%; Pred. No. 0.077;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RLYPWGVVEV 10
|||:||||
Db 489 RLYPWGIVEV 498

RESULT 15
US-09-248-796A-20460
; Sequence 20460, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANS
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 20460
; LENGTH: 314
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-20460

Query Match 89.5%; Score 51; DB 2; Length 314;
Best Local Similarity 90.0%; Pred. No. 0.29;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 RLYPWGVVEV 10
|||:||||
Db 162 RLYPWGVVEV 171
Search completed: February 7, 2006, 12:49:40
Job time : 22.766 secs

GenCore version 5.1.1.7
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OM protein - protein search, using sw model

Run on: February 7, 2006, 13:34:34 ; Search time 72.0213 Seconds
(without alignments)
58.015 Million cell updates/sec

Title: US-10-006-177A-10
Perfect score: 57
Sequence: 1 RLYPGWVVEV 10

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA_Main:*
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2: /cgn2_6/prodata1/pubpaa/US08_PUBCOMB.pep.*
3: /cgn2_6/prodata1/pubpaa/US09_PUBCOMB.pep.*
4: /cgn2_6/prodata1/pubpaa/US10A_PUBCOMB.pep.*
5: /cgn2_6/prodata1/pubpaa/US10B_PUBCOMB.pep.*
6: /cgn2_6/prodata1/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	57	100.0	361	4	US-10-231-956A-184
2	57	100.0	361	6	US-11-097-143-1014
3	56	98.2	118	4	US-10-263-828-86
4	56	98.2	369	3	US-09-918-715-275
5	56	98.2	369	4	US-10-474-794-275
6	56	98.2	369	5	US-10-979-159-275
7	56	98.2	369	5	US-10-756-143-4728
8	56	98.2	379	5	US-10-491-213-25
9	56	98.2	459	5	US-10-773-446-85
10	56	98.2	478	4	US-10-190-555-4
11	56	98.2	478	4	US-10-191-810-4
12	56	98.2	605	4	US-10-190-555-2
13	52	91.2	346	4	US-10-094-743-2456
14	51	89.5	315	4	US-10-128-714-3287
15	51	89.5	364	4	US-10-369-493-3813
16	51	89.5	397	4	US-10-032-585-7533
17	51	89.5	426	4	US-10-128-714-8287
18	51	89.5	496	4	US-10-369-493-2274
19	50	87.7	393	4	US-10-320-797-3163
20	50	87.7	441	4	US-10-369-493-3525
21	50	87.7	520	4	US-10-369-493-1809
22	49	86.0	444	4	US-10-369-493-12937
23	48	84.2	308	4	US-10-103-313-554
24	48	84.2	308	4	US-10-158-034-58
25	48	84.2	321	4	US-10-393-602-143
26	48	84.2	336	3	US-09-764-898-281
27	48	84.2	354	4	US-10-103-313-413

28 48 84.2 370 4 US-10-250-889-113 Sequence 113, App
29 48 84.2 380 4 US-10-369-493-2180 Sequence 2180, App
30 48 84.2 420 4 US-10-393-602-142 Sequence 142, App
31 48 84.2 429 4 US-10-363-616-278 Sequence 278, App
32 48 84.2 429 4 US-10-755-889-504 Sequence 504, App
33 48 84.2 465 4 US-10-103-313-432 Sequence 432, App
34 48 84.2 476 4 US-10-103-313-440 Sequence 440, App
35 48 84.2 539 4 US-10-342-844-100 Sequence 100, App
36 48 84.2 539 6 US-11-097-143-4917 Sequence 4917, App
37 48 84.2 567 5 US-10-483-506-11 Sequence 11, App
38 48 84.2 792 5 US-10-450-763-44637 Sequence 44637, A
39 47 82.5 407 4 US-10-369-493-22050 Sequence 22050, A
40 46 80.7 418 4 US-10-341-434-55 Sequence 55, App
41 46 80.7 427 6 US-11-097-143-20556 Sequence 20556, A
42 46 80.7 427 6 US-11-097-143-20568 Sequence 20568, A
43 45 78.9 506 4 US-10-369-493-2253 Sequence 2253, App
44 44 77.2 90 4 US-10-103-313-563 Sequence 563, App
45 44 77.2 90 4 US-10-158-034-60 Sequence 60, App

ALIGNMENTS

RESULT 1

US-10-231-956A-184
; Sequence 184, Application US/10231956A
; Publication No. US20040053233A1
; GENERAL INFORMATION:
; APPLICANT: Lorens, James B.
; APPLICANT: Xu, Weiduan
; APPLICANT: Bogenberger, Jakob
; APPLICANT: Holland, Sacha
; APPLICANT: Rigel Pharmaceuticals, Incorporated
; TITLE OF INVENTION: Modulators of Angiogenesis
; FILE REFERENCE: 021044-004100US
; CURRENT APPLICATION NUMBER: US/10/231,956A
; CURRENT FILING DATE: 2001-08-30
; NUMBER OF SEQ ID NOS: 522
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 184
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-231-956A-184

Query Match 100.0% Score 57; DB 4; Length 361;
Best Local Similarity 100.0%; Pred. No. 0.29; Mismatches 0; Indels 0; Gaps 0;
Matches 10; Conservative 0;

Qy 1 RLYPGWVVEV 10
|||
Db 256 RLYPGWVVEV 265
|||||

RESULT 2

US-11-097-143-1014
; Sequence 1014, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28

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; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1014
; LENGTH: 361
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-1014
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Query Match 100.0%; Score 57; DB 6; Length 361;
Best Local Similarity 100.0%; Pred. No. 0.29;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY 1 RLYPWGVVEV 10
Db 254 RLYPWGVVEV 263
|||||
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RESULT 3

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US-10-263-828-86
; Sequence 86, Application US/10763828
; Publication No. US20030138905A1
; GENERAL INFORMATION:
; APPLICANT: Havukkala, Ilkka J.
; APPLICANT: Glenn, Matthew
; APPLICANT: Grigor, Murray R.
; APPLICANT: Moleenaar, Adrian J.
; TITLE OF INVENTION: Compositions isolated from bovine
; FILE REFERENCE: 11000.1044Uicon
; CURRENT APPLICATION NUMBER: US/10/263,828
; CURRENT FILING DATE: 2002-10-02
; NUMBER OF SEQ ID NOS: 136
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 86
; LENGTH: 118
; TYPE: PRT
; ORGANISM: Bovine
US-10-263-828-86
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Query Match 98.2%; Score 56; DB 4; Length 118;
Best Local Similarity 90.0%; Pred. No. 0.15;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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```
QY 1 RLYPWGVVEV 10
Db 63 RLYPWGVVEV 72
|||||
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RESULT 4

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US-09-918-715-275
; Sequence 275, Application US/09918715
; Publication No. US20030017157A1
; GENERAL INFORMATION:
; APPLICANT: Brad St. Croix
; APPLICANT: Bert Vogelstein
; APPLICANT: Kenneth Kinzler
; TITLE OF INVENTION: ENDOTHELIAL CELL EXPRESSION PATTERNS
; FILE REFERENCE: 1107.00134
; CURRENT APPLICATION NUMBER: US/09/918,715
; CURRENT FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/222,599
; PRIOR FILING DATE: 2000-08-02
; PRIOR APPLICATION NUMBER: 60/224,360
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; PRIOR FILING DATE: 2000-08-11
; PRIOR APPLICATION NUMBER: 60/282,850
; PRIOR FILING DATE: 2000-04-11
; NUMBER OF SEQ ID NOS: 358
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 275
; LENGTH: 369
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-918-715-275
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Query Match 98.2%; Score 56; DB 3; Length 369;
Best Local Similarity 90.0%; Pred. No. 0.43;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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```
QY 1 RLYPWGVVEV 10
Db 263 RLYPWGVVEV 272
|||||
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RESULT 5

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US-10-474-794-275
; Sequence 275, Application US/10474794
; Publication No. US20040213793A1
; GENERAL INFORMATION:
; APPLICANT: Carson-Walter, Eleanor
; APPLICANT: St. Croix, Brad
; APPLICANT: Vogelstein, Bert
; APPLICANT: Kinzler, Kenneth
; TITLE OF INVENTION: ENDOTHELIAL CELL EXPRESSION PATTERNS
; FILE REFERENCE: 1107.00179
; CURRENT APPLICATION NUMBER: US/10/474,794
; CURRENT FILING DATE: 2003-10-14
; PRIOR APPLICATION NUMBER: 60/282,850
; PRIOR FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 60/308,829
; PRIOR FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 359
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 275
; LENGTH: 369
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-474-794-275
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Query Match 98.2%; Score 56; DB 4; Length 369;
Best Local Similarity 90.0%; Pred. No. 0.43;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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QY 1 RLYPWGVVEV 10
Db 263 RLYPWGVVEV 272
|||||
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RESULT 6

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US-10-979-159-275
; Sequence 275, Application US/10979159
; Publication No. US20050142138A1
; GENERAL INFORMATION:
; APPLICANT: Brad St. Croix
; APPLICANT: Bert Vogelstein
; APPLICANT: Kenneth Kinzler
; TITLE OF INVENTION: ENDOTHELIAL CELL EXPRESSION PATTERNS
; FILE REFERENCE: 1107.00134
; CURRENT APPLICATION NUMBER: US/10/979,159
; CURRENT FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: US/09/918,715
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/222,599
; PRIOR FILING DATE: 2000-08-02
; PRIOR APPLICATION NUMBER: 60/224,360
; PRIOR FILING DATE: 2000-08-11
; PRIOR APPLICATION NUMBER: 60/282,850
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;; PRIOR FILING DATE: 2000-04-11
;; NUMBER OF SEQ ID NOS: 358
;; SOFTWARE: FastSeq for Windows Version 3.0
;; SEQ ID NO 275
;; LENGTH: 369
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-979-159-275

Query Match 98.2%; Score 56; DB 5; Length 369;
Best Local Similarity 90.0%; Pred. No. 0.43;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RLYPWGVVEV 10
Db 263 RLYPWGVVEV 272

RESULT 7

US-10-756-149-4728
;; Sequence 4728, Application US/10756149
;; Publication No. US20050181375A1
;; GENERAL INFORMATION:
;; APPLICANT: Aziz, Natasha
;; APPLICANT: Zlotnik, Albert
;; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AND
;; TITLE OF INVENTION: METHODS OF SCREENING FOR MODULATORS OF METASTATIC CANCER
;; FILE REFERENCE: file
;; CURRENT APPLICATION NUMBER: US/10/756,149
;; CURRENT FILING DATE: 2004-01-12
;; NUMBER OF SEQ ID NOS: 5818
;; SOFTWARE: PatentIn version 3.2
;; SEQ ID NO 4728
;; LENGTH: 369
;; TYPE: PRT
;; ORGANISM: Homo Sapiens
US-10-756-149-4728

Query Match 98.2%; Score 56; DB 5; Length 369;
Best Local Similarity 90.0%; Pred. No. 0.43;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RLYPWGVVEV 10
Db 263 RLYPWGVVEV 272

RESULT 8

US-10-491-213-25
;; Sequence 25, Application US/10491213
;; Publication No. US20050048490A1
;; GENERAL INFORMATION:
;; APPLICANT: INCYTE CORPORATION; AZIMZAI, Yalda;
;; APPLICANT: BAUGHN, Maria R.; BECHA, Shanya D.;
;; APPLICANT: BOROWSKY, Mark L.; CHAWLA, Narinder K.;
;; APPLICANT: ELLIOTT, Vicki S.; EMERLING, Brooke M.;
;; APPLICANT: GANDHI, Ameena R.; GIETZEN, Kimberly J.;
;; APPLICANT: GORVAD, Ann E.; GRIFFIN, Jennifer A.;
;; APPLICANT: HAFALIA, April J.A.; ISON, Craig H.;
;; APPLICANT: KABLE, Amy E.; KALAFUS, Daniel P.;
;; APPLICANT: LEHR-MASON, Patricia M.; LU, Dyung Aina M.;
;; APPLICANT: MARQUIS, Joseph P.; NGUYEN, Daniel B.;
;; APPLICANT: RAMKUMAR, Jayalaxmi; RICHARDSON, Thomas W.;
;; APPLICANT: KAREHT, Stephanie K.; SWARNAKAR, Anita;
;; APPLICANT: TANG, Y. Tom; TRAN, Uyen K.;
;; APPLICANT: WARREN, Bridget A.; XU, Yuming;
;; APPLICANT: YAO, Monique G.; YUE, Huibin;
;; APPLICANT: YUE, Henry
;; TITLE OF INVENTION: PROTEINS ASSOCIATED WITH CELL GROWTH, DIFFERENTIATION, AND DEATH
;; FILE REFERENCE: PF-1213 USN
;; CURRENT APPLICATION NUMBER: US/10/491,213
;; CURRENT FILING DATE: 2004-03-26
;; PRIOR APPLICATION NUMBER: PCT/US02/31095

;; PRIOR FILING DATE: 2002-09-26
;; PRIOR APPLICATION NUMBER: US 60/326,389
;; PRIOR FILING DATE: 2001-09-28
;; PRIOR APPLICATION NUMBER: US 60/327,380
;; PRIOR FILING DATE: 2001-10-05
;; PRIOR APPLICATION NUMBER: US 60/328,186
;; PRIOR FILING DATE: 2001-10-05
;; PRIOR APPLICATION NUMBER: US 60/329,690
;; PRIOR FILING DATE: 2001-10-12
;; PRIOR APPLICATION NUMBER: US 60/345,384
;; PRIOR FILING DATE: 2001-10-26
;; PRIOR APPLICATION NUMBER: US 60/348,165
;; PRIOR FILING DATE: 2001-10-26
;; PRIOR APPLICATION NUMBER: US 60/350,219
;; PRIOR FILING DATE: 2001-11-02
;; PRIOR APPLICATION NUMBER: US 60/344,518
;; PRIOR FILING DATE: 2001-11-09
;; PRIOR APPLICATION NUMBER: US 60/345,143
;; PRIOR FILING DATE: 2001-11-09
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 114
;; SOFTWARE: PERL Program
;; SEQ ID NO 25
;; LENGTH: 379
;; TYPE: PRT
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: misc feature
;; OTHER INFORMATION: Incyte ID No: 7503786CD1
US-10-491-213-25

Query Match 98.2%; Score 56; DB 5; Length 379;
Best Local Similarity 90.0%; Pred. No. 0.44;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RLYPWGVVEV 10
Db 264 RLYPWGVVEV 273

RESULT 9

US-10-773-446-85
;; Sequence 85, Application US/10773446
;; Publication No. US20050176662A1
;; GENERAL INFORMATION:
;; APPLICANT: INANA, GEORGE
;; APPLICANT: MCLAREN, MARGARET
;; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DETECTING AND TREATING RETINAL
;; TITLE OF INVENTION: DISEASES
;; FILE REFERENCE: 39532-192229
;; CURRENT APPLICATION NUMBER: US/10/773,446
;; CURRENT FILING DATE: 2004-02-09
;; NUMBER OF SEQ ID NOS: 131
;; SOFTWARE: PatentIn version 3.2
;; SEQ ID NO 85
;; LENGTH: 459
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-773-446-85

Query Match 98.2%; Score 56; DB 5; Length 459;
Best Local Similarity 90.0%; Pred. No. 0.53;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RLYPWGVVEV 10
Db 344 RLYPWGVVEV 353

RESULT 10

US-10-190-555-4
;; Sequence 4, Application US/10190555
;; Publication No. US2003009970A1

```
; GENERAL INFORMATION:
; APPLICANT: TANAKA, Manami
; APPLICANT: TANAKA, Tomoo
; TITLE OF INVENTION: HUMAN-DERIVED BRADEION PROTEINS, DNA CODING FOR THE
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: 081356/0138
; CURRENT APPLICATION NUMBER: US/10/190,555
; CURRENT FILING DATE: 2002-07-09
; PRIOR APPLICATION NUMBER: US/09/440,936
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: JP 325380/1998
; PRIOR FILING DATE: 1998-11-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-190-555-4

Query Match      98.2%; Score 56; DB 4; Length 478;
Best Local Similarity 90.0%; Pred. No. 0.55;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 RLYPWGVVEV 10
DB      363 RLYPWGIVEV 372

RESULT 11
US-10-191-810-4
; Sequence 4, Application US/10191810
; Publication No. US20030113753A1
; GENERAL INFORMATION:
; APPLICANT: Manami TANAKA and Tomoo TANAKA
; TITLE OF INVENTION: Human bradeion proteins, DNA encoding them, and use
; TITLE OF INVENTION: thereof
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/191,810
; CURRENT FILING DATE: 2002-07-10
; PRIOR APPLICATION NUMBER: JP 10-325380
; PRIOR FILING DATE: 1998/11/16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO 4
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-191-810-4

Query Match      98.2%; Score 56; DB 4; Length 478;
Best Local Similarity 90.0%; Pred. No. 0.55;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 RLYPWGVVEV 10
DB      363 RLYPWGIVEV 372

RESULT 12
US-10-190-555-2
; Sequence 2, Application US/10190555
; Publication No. US2003009970A1
; GENERAL INFORMATION:
; APPLICANT: TANAKA, Manami
; APPLICANT: TANAKA, Tomoo
; TITLE OF INVENTION: HUMAN-DERIVED BRADEION PROTEINS, DNA CODING FOR THE
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: 081356/0138
; CURRENT APPLICATION NUMBER: US/10/190,555
; CURRENT FILING DATE: 2002-07-09
; PRIOR APPLICATION NUMBER: US/09/440,936
; PRIOR FILING DATE: 1999-11-16
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; GENERAL INFORMATION:
; APPLICANT: TANAKA, Manami
; APPLICANT: TANAKA, Tomoo
; TITLE OF INVENTION: HUMAN-DERIVED BRADEION PROTEINS, DNA CODING FOR THE
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: 081356/0138
; CURRENT APPLICATION NUMBER: US/10/190,555
; CURRENT FILING DATE: 2002-07-09
; PRIOR APPLICATION NUMBER: US/09/440,936
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: JP 325380/1998
; PRIOR FILING DATE: 1998-11-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-190-555-2

Query Match      98.2%; Score 56; DB 4; Length 605;
Best Local Similarity 90.0%; Pred. No. 0.69;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 RLYPWGVVEV 10
DB      489 RLYPWGIVEV 498

RESULT 13
US-10-094-749-2456
; Sequence 2456, Application US/10094749
; Publication No. US20030219741A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOKUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: NOVEL FULL-LENGTH cDNA
; FILE REFERENCE: 084335/0160
; CURRENT APPLICATION NUMBER: US/10/094,749
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/350,435
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: JP 2001-328381
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2456
; LENGTH: 346
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-094-749-2456

Query Match      91.2%; Score 52; DB 4; Length 346;
Best Local Similarity 88.9%; Pred. No. 1.9;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 RLYPWGVVE 9
DB      272 RLYPWGIVE 280

RESULT 14
US-10-128-714-3287
; Sequence 3287, Application US/10128714
; Publication No. US20030119013A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Bo
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Search completed: February 7, 2006, 13:47:33
Job time : 73.1213 secs

APPLICANT: Hu, Wengli
APPLICANT: Tishkoff, Daniel
APPLICANT: Zamudio, Carlos
APPLICANT: Eroshkin, Alexey M
APPLICANT: Lemieux, Sebastien M
TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and
FILE REFERENCE: 10182-018-999
CURRENT APPLICATION NUMBER: US/10/128,714
CURRENT FILING DATE: 2002-04-23
PRIOR APPLICATION NUMBER: US 60/285,697
PRIOR FILING DATE: 2001-04-23
PRIOR APPLICATION NUMBER: US 60/287,066
PRIOR FILING DATE: 2001-04-27
PRIOR APPLICATION NUMBER: US 60/295,890
PRIOR FILING DATE: 2001-06-05
PRIOR APPLICATION NUMBER: US 60/303,899
PRIOR FILING DATE: 2001-07-09
PRIOR APPLICATION NUMBER: US 60/316,362
PRIOR FILING DATE: 2001-08-31
NUMBER OF SEQ ID NOS: 8603
SOFTWARE: PatentIn version 3.1
SEQ ID NO 3287
LENGTH: 315
TYPE: PRT
ORGANISM: Aspergillus fumigatus
US-10-128-714-3287

Query Match 89.5%; Score 51; DB 4; Length 315;
Best Local Similarity 90.0%; Pred. No. 2.5;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 RLYPWGVVEV 10
Db 175 RQYPWGVVEV 184

RESULT 15
US-10-369-493-3813
Sequence 3813, Application US/10369493
Publication No. US20030233675A1
GENERAL INFORMATION:
APPLICANT: Cao, Yongwei
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Goldman, Barry S.
APPLICANT: Chen, Xianfeng
TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
FILE REFERENCE: 38-10(52052)B
CURRENT APPLICATION NUMBER: US/10/369,493
CURRENT FILING DATE: 2003-02-28
PRIOR APPLICATION NUMBER: US 60/360,039
PRIOR FILING DATE: 2002-02-21
NUMBER OF SEQ ID NOS: 47374
SEQ ID NO 3813
LENGTH: 364
TYPE: PRT
ORGANISM: Neurospora crassa
FEATURE:
NAME/KEY: unsure
LOCATION: (1)..(364)
OTHER INFORMATION: unsure at all Xaa locations
US-10-369-493-3813

Query Match 89.5%; Score 51; DB 4; Length 364;
Best Local Similarity 90.0%; Pred. No. 2.9;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 RLYPWGVVEV 10
Db 213 RQYPWGVVEV 222

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GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: February 7, 2006, 13:36:27 ; Search time 4.78723 Seconds
(without alignments)
24.478 Million cell updates/sec

Title: US-10-006-177A-10
Perfect score: 57
Sequence: 1 RLYPMGVVEV 10

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 88029 seqs, 11718060 residues

Total number of hits satisfying chosen parameters: 88029

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA New.*
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2: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
3: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
4: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
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6: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
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8: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	46	80.7	418	6	US-10-878-556A-78
2	39	68.4	367	7	US-11-152-366-35
3	37	64.9	654	6	US-10-770-726-82
4	36	63.2	486	7	US-11-012-668-12
5	36	63.2	497	7	US-11-012-668-10
6	36	63.2	777	6	US-10-645-441-3
7	36	63.2	841	6	US-10-725-475-5
8	36	63.2	841	7	US-11-050-804-2
9	35	61.4	249	7	US-11-054-515-323
10	35	61.4	249	7	US-11-054-515-340
11	35	61.4	249	7	US-11-054-515-486
12	35	61.4	249	7	US-11-054-515-574
13	35	61.4	249	7	US-11-054-515-586
14	35	61.4	249	7	US-11-054-515-619
15	35	61.4	249	7	US-11-054-515-637
16	35	61.4	249	7	US-11-054-515-640
17	35	61.4	249	7	US-11-054-515-648
18	35	61.4	249	7	US-11-054-515-649
19	35	61.4	249	7	US-11-054-515-676
20	35	61.4	249	7	US-11-054-515-712
21	35	61.4	249	7	US-11-054-515-739
22	35	61.4	249	7	US-11-054-515-780
23	35	61.4	249	7	US-11-054-515-809
24	35	61.4	422	7	US-11-110-851-4
25	34	59.6	190	6	US-10-466-794A-6

26	34	59.6	193	7	US-11-055-822-568	Sequence 568, App
27	33	57.9	198	6	US-10-131-826A-550	Sequence 550, App
28	33	57.9	301	6	US-10-131-826A-176	Sequence 176, App
29	33	57.9	344	7	US-11-186-284-138	Sequence 138, App
30	32	56.1	314	7	US-11-010-239-123	Sequence 123, App
31	32	56.1	368	7	US-11-000-463-916	Sequence 916, App
32	32	56.1	388	7	US-11-000-463-444	Sequence 444, App
33	32	56.1	457	6	US-10-131-826A-236	Sequence 236, App
34	32	56.1	463	6	US-10-501-411A-341	Sequence 341, App
35	32	56.1	541	7	US-11-059-814-20	Sequence 20, Appl
36	31	54.4	42	6	US-10-895-064-1585	Sequence 1585, Ap
37	31	54.4	48	6	US-10-467-657-5558	Sequence 5558, Ap
38	31	54.4	141	6	US-10-793-626-1718	Sequence 1718, Ap
39	31	54.4	249	7	US-11-054-515-364	Sequence 364, App
40	31	54.4	249	7	US-11-054-515-470	Sequence 470, App
41	31	54.4	249	7	US-11-054-515-487	Sequence 487, App
42	31	54.4	249	7	US-11-054-515-489	Sequence 489, App
43	31	54.4	249	7	US-11-054-515-601	Sequence 601, App
44	31	54.4	249	7	US-11-054-515-625	Sequence 625, App
45	31	54.4	249	7	US-11-054-515-630	Sequence 630, App

ALIGNMENTS

RESULT 1

US-10-878-556A-78
; Sequence 78, Application US/10878556A
; Publication No. US20050266399A1
; GENERAL INFORMATION:
; APPLICANT: Hoffmann La-Roche Inc.
; TITLE OF INVENTION: HCV regulated protein expression
; FILE REFERENCE: 21762
; CURRENT APPLICATION NUMBER: US/10/878,556A
; CURRENT FILING DATE: 2004-06-28
; NUMBER OF SEQ ID NOS: 199
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 78
; LENGTH: 418
; TYPE: PRT
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: sw_hum/sep7_human
; DATABASE ENTRY DATE: 1997-11-01
US-10-878-556A-78

Query Match 80.7%; Score 46; DB 6; Length 418;
Best Local Similarity 70.0%; Pred. NO. 0.5;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 RLYPMGVVEV 10

Db 246 RQYPMGVVEV 255

RESULT 2

US-11-152-366-35
; Sequence 35, Application US/11152366
; Publication No. US20060014184A1
; GENERAL INFORMATION:
; APPLICANT: Brys, Reginald
; APPLICANT: Vandeghinste, Nick
; APPLICANT: Tomme, Peter H. M.
; TITLE OF INVENTION: Methods For Identification, And Compounds Useful For The
; FILE REFERENCE: P27,880-A USA
; CURRENT APPLICATION NUMBER: US/11/152,366
; CURRENT FILING DATE: 2005-06-14
; PRIOR APPLICATION NUMBER: 60/579,307
; PRIOR FILING DATE: 2004-06-14
; NUMBER OF SEQ ID NOS: 295
; SOFTWARE: Patent in version 3.3
; SEQ ID NO 35

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; LENGTH: 367
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-152-366-35

Query Match      68.4%; Score 39; DB 7; Length 367;
Best Local Similarity 70.0%; Pred. No. 7;
Matches 7; Conservative 0; Mismatches 0; Gaps 0;

QY      1 RLYPWGVVEV 10
Db      245 RYSGTGVVEV 254

RESULT 3
US-10-770-726-82
; Sequence 82, Application US/10770726
; Publication No. US20050266409A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING, PREVENTING, AND TREATING
; TITLE OF INVENTION: CANCERS
; FILE REFERENCE: AM101079 (031896-010000)
; CURRENT APPLICATION NUMBER: US/10/770,726
; CURRENT FILING DATE: 2004-02-04
; NUMBER OF SEQ ID NOS: 48640
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 82
; LENGTH: 654
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-770-726-82

Query Match      64.9%; Score 37; DB 6; Length 654;
Best Local Similarity 60.0%; Pred. No. 25;
Matches 6; Conservative 2; Mismatches 2; Indels 2; Gaps 0;

QY      1 RLYPWGVVEV 10
Db      601 KLKPGWGLFEV 610

RESULT 4
US-11-012-668-12
; Sequence 12, Application US/11012668
; Publication No. US20060010512A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Rafalski, J. Antoni
; TITLE OF INVENTION: Nitrogen Transport Metabolism
; FILE REFERENCE: BB-1210
; CURRENT APPLICATION NUMBER: US/11/012,668
; CURRENT FILING DATE: 2004-12-15
; PRIOR APPLICATION NUMBER: 60/098,248
; PRIOR FILING DATE: 28 August 1998
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 12
; LENGTH: 486
; TYPE: PRT
; ORGANISM: Glycine max
US-11-012-668-12

Query Match      63.2%; Score 36; DB 7; Length 486;
Best Local Similarity 62.5%; Pred. No. 29;
Matches 5; Conservative 2; Mismatches 2; Indels 1; Gaps 0;

QY      2 LYPWGVVE 9
Db      186 LYQWGVVID 193

RESULT 5
US-11-012-668-10
; Sequence 10, Application US/11012668
; Publication No. US20060010512A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Rafalski, J. Antoni
; TITLE OF INVENTION: Nitrogen Transport Metabolism
; FILE REFERENCE: BB-1210
; CURRENT APPLICATION NUMBER: US/11/012,668
; CURRENT FILING DATE: 2004-12-15
; PRIOR APPLICATION NUMBER: 60/098,248
; PRIOR FILING DATE: 28 August 1998
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 10
; LENGTH: 497
; TYPE: PRT
; ORGANISM: Oryza sativa
US-11-012-668-10

Query Match      63.2%; Score 36; DB 7; Length 497;
Best Local Similarity 62.5%; Pred. No. 29;
Matches 5; Conservative 2; Mismatches 2; Indels 1; Gaps 0;

QY      2 LYPWGVVE 9
Db      189 LYQWGVVID 196

RESULT 6
US-10-645-441-3
; Sequence 3, Application US/10645441
; Publication No. US20050260599A1
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Ryba, Nicholas J.P.
; APPLICANT: Nelson, Greg
; APPLICANT: Hoon, Mark A.
; APPLICANT: Chandrashekar, Jayaram
; APPLICANT: Zhang, Yifeng
; APPLICANT: The Regents of the University of California
; APPLICANT: as represented by the Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Mammalian Sweet Taste Receptors
; FILE REFERENCE: 02307E-120110US
; CURRENT APPLICATION NUMBER: US/10/645,441
; CURRENT FILING DATE: 2003-08-20
; PRIOR APPLICATION NUMBER: US/09/927,315
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: US 60/302,898
; PRIOR FILING DATE: 2001-07-03
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 777
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human T1R1 sweet taste receptor
US-10-645-441-3

Query Match      63.2%; Score 36; DB 6; Length 777;
Best Local Similarity 55.6%; Pred. No. 43;
Matches 5; Conservative 3; Mismatches 3; Indels 1; Gaps 0;

QY      1 RLYPWGVVE 9
Db      351 RYYPWQVLE 359
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RESULT 7
US-10-725-475-5
; Sequence 5, Application US/10725475
; Publication No. US20060014208A1
; GENERAL INFORMATION:
; APPLICANT: ZOLLER, MARK
; APPLICANT: LI, XIADONG
; APPLICANT: STASZEWSKI, LENA
; APPLICANT: O'CONNELL, SHAWN
; APPLICANT: ZOZULYA, SERGEY
; APPLICANT: ADLER, JON
; APPLICANT: XU, HONG
; APPLICANT: ECHVERRI, FERNANDO
; TITLE OF INVENTION: TIR HETERO-OLIGOMERIC TASTE RECEPTORS AND CELL LINES
; TITLE OF INVENTION: THAT EXPRESS SAID RECEPTORS AND USE THEREOF FOR
; FILE REFERENCE: 078003-0291566
; CURRENT APPLICATION NUMBER: US/10/725,475
; CURRENT FILING DATE: 2003-12-03
; PRIOR APPLICATION NUMBER: 60/300,434
; PRIOR FILING DATE: 2001-06-26
; PRIOR APPLICATION NUMBER: 60/304,749
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: 60/310,493
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: 60/331,771
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: 60/339,472
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: 60/372,090
; PRIOR FILING DATE: 2002-04-15
; PRIOR APPLICATION NUMBER: 60/374,143
; PRIOR FILING DATE: 2002-04-22
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 841
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-725-475-5

Query Match      63.2%; Score 36; DB 6; Length 841;
Best Local Similarity 55.6%; Pred. No. 46;
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      1 RLYPWGVVE 9
      |::||::|
Db      415 RYVPWQLLE 423

RESULT 8
US-11-050-804-2
; Sequence 2, Application US/11050804
; Publication No. US20050287517A1
; GENERAL INFORMATION:
; APPLICANT: ADLER, JON ELLIOT
; APPLICANT: LI, XIADONG
; APPLICANT: STASZEWSKI, LENA
; APPLICANT: XU, HONG
; APPLICANT: ECHVERRI, FERNANDO
; TITLE OF INVENTION: TIR HETERO-OLIGOMERIC TASTE RECEPTORS
; FILE REFERENCE: T1530-00006
; CURRENT APPLICATION NUMBER: US/11/050,804
; CURRENT FILING DATE: 2005-02-07
; PRIOR APPLICATION NUMBER: 09/897,427
; PRIOR FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: 60/284,547
; PRIOR FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: 60/300,434
; PRIOR FILING DATE: 2001-06-26
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 2

Query Match      61.4%; Score 35; DB 7; Length 249;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 LYPWG 6
      |::||
Db      110 LYPWG 114

RESULT 9
US-11-054-515-323
; Sequence 323, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind BlyS
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 323
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-323

Query Match      61.4%; Score 35; DB 7; Length 249;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 LYPWG 6
      |::||
Db      110 LYPWG 114

RESULT 10
US-11-054-515-340
; Sequence 340, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind BlyS
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
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; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 340
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-340

Query Match      61.4%; Score 35; DB 7; Length 249;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      2 LYPWG 6
        |||||
DB      110 LYPWG 114
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```
RESULT 11
US-11-054-515-486
; Sequence 486, Application US/11054515
; Publication No. US2005025532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 486
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-486
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```
Query Match      61.4%; Score 35; DB 7; Length 249;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      2 LYPWG 6
        |||||
DB      110 LYPWG 114
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```
RESULT 12
US-11-054-515-574
; Sequence 574, Application US/11054515
; Publication No. US2005025532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 574
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-574
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```
Query Match      61.4%; Score 35; DB 7; Length 249;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      2 LYPWG 6
        |||||
DB      110 LYPWG 114
```

```
RESULT 13
US-11-054-515-586
; Sequence 586, Application US/11054515
; Publication No. US2005025532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
```


; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 586
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-586

Query Match 61.4%; Score 35; DB 7; Length 249;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 LYPWG 6
Db 110 LYPWG 114

RESULT 14
US-11-054-515-619
; Sequence 619, Application US/11054515
; Publication No. US2005025532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 619
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-619

Query Match 61.4%; Score 35; DB 7; Length 249;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 LYPWG 6

Db 110 LYPWG 114
RESULT 15
US-11-054-515-637
; Sequence 637, Application US/11054515
; Publication No. US2005025532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 637
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-637

Query Match 61.4%; Score 35; DB 7; Length 249;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 LYPWG 6
Db 110 LYPWG 114

Search completed: February 7, 2006, 13:48:20
Job time : 5.88723 secs

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